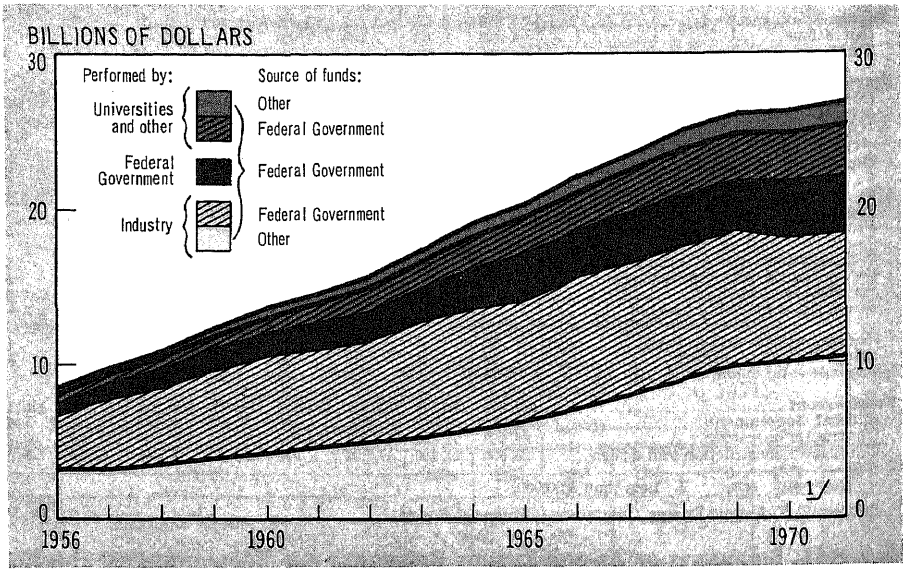
FIG. XXXVI. RESEARCH AND DEVELOPMENT FUNDS, BY PERFORMANCE SECTOR AND BY SOURCE: 1956 TO 1971

[See table 843]

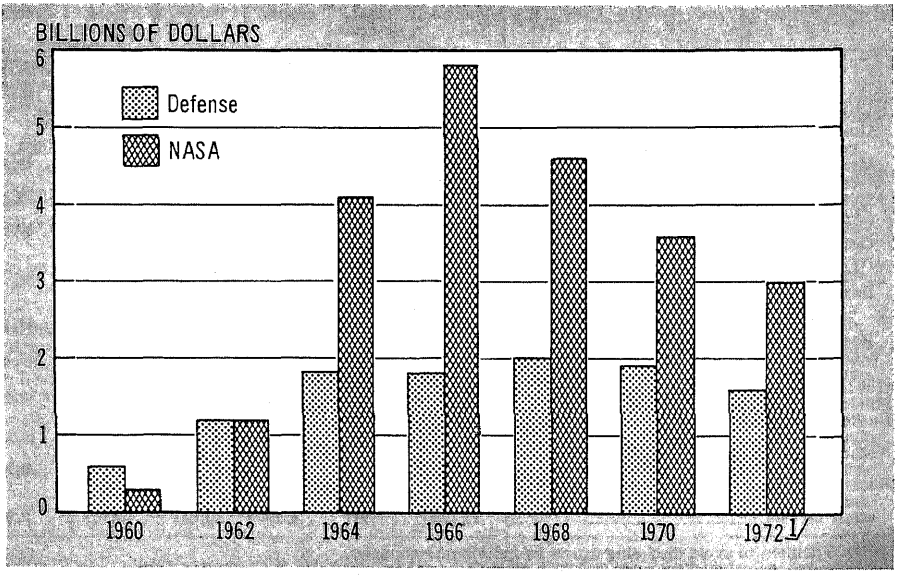


[1] 1970 and 1971 estimated.

Source: Chart prepared by U.S. Bureau of the Census. Data from National Science Foundation.

FIG. XXXVII. EXPENDITURES FOR FEDERAL SPACE PROGRAM: 1960 TO 1972

[See table 868]



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Office of Management and Budget.

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, space vehicles, and patents and trademarks. Principal sources of these data are the National Science Foundation and the National Aeronautics and Space Administration.

The National Science Foundation gathers data chiefly through recurring statistical surveys. Some current Foundation publications containing data on funds for research and development and on scientific and engineering personnel include the occasional bulletin series, *Reviews of Data on Science Resources;* annual and biennial reports such as *Federal Funds for Research, Development, and Other Scientific Activities; Research and Development in Industry; National Patterns of R & D Resources; Resources for Scientific Activities at Universities and Colleges; An Analysis of Federal R & D Funding by Budget Function; American Science Manpower; Scientists, Engineers, and Physicians From Abroad; Scientific, Technical, and Health Personnel in the Federal Government;* occasional reports relating to nonprofit institutions, State and local governments and graduate student support; special reports such as *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions;* 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.

The National Aeronautics and Space Administration does not 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.

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 Federally Funded Research and Development 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 Federally Funded Research and Development 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 Federally Funded Research and Development Centers administered by nonprofit organizations. The federally funded 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 research and development need of the Government. They are administered on a contractual basis, by companies, educational institutions, or other nonprofit organizations. The research and development 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.

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

No. 842. Research and Development—Defense, Space, and Other Outlays: 1955 to 1972

[Includes basic research, applied research, and development. Defense related outlays comprise all research and development spending by Dept. of Defense including space activities, and a portion of Atomic Energy Commission funds. Space related outlays are those of the National Aeronautics and Space Administration; they exclude space activities of other Federal agencies, estimated at less than 5 percent of all space research and development spending]

Year	Total research and development (mil. dol.)	As percent of total research and development					
		Defense-space related			Other outlays		
		Total	Defense	Space	Total	Non-federal	Federal
1955	6,279	48.4	47.4	1.0	51.6	44.1	7.5
1956	8,483	49.5	48.6	0.9	50.5	42.7	7.7
1957	9,912	53.2	52.2	1.0	46.8	38.3	8.5
1958	10,870	53.0	52.0	1.0	47.0	37.5	9.5
1959	12,540	55.8	53.3	2.5	44.2	35.7	8.5
1960	13,730	54.7	51.6	3.1	45.3	36.3	9.0
1961	14,552	54.7	49.2	5.5	45.3	36.3	9.0
1962	15,665	53.7	47.0	6.7	46.3	36.6	9.6
1963	17,371	54.3	40.6	13.7	45.7	35.4	10.3
1964	19,214	54.6	36.1	18.5	45.4	34.6	10.8
1965	20,439	52.7	32.3	20.4	47.3	36.2	11.0
1966	22,266	50.9	32.0	18.9	49.1	37.2	11.9
1967	23,642	48.3	34.3	14.0	51.7	38.9	12.8
1968	25,159	47.1	33.9	13.2	52.9	40.4	12.5
1969	26,179	44.7	33.6	11.1	55.3	43.0	12.3
1970 (prel.)	26,287	43.1	29.2	13.9	56.9	44.1	12.9
1971 est	26,850	40.3	28.7	11.6	59.7	45.0	14.7
1972 est	28,000	39.4	29.0	10.4	60.6	45.7	14.9

Source: U.S. National Science Foundation, *National Patterns of R & D Resources—Funds and Manpower in the United States, 1953–72* (NSF 72-300), annual.

No. 843. Funds for Performance of Research and Development and Basic Research, by Sector, Distributed by Source: 1955 to 1972

[**In millions of dollars.** Data primarily on calendar year basis—data for calendar year 1955 for industry and other nonprofit institutions combined with Federal and university data for fiscal 1955 (1954–55); same pattern followed for subsequent years. Data refer, in general, to natural sciences including engineering and to social sciences in all but industry sector. Excludes capital expenditures data. Expenditures at associated Federally Funded Research and Development Centers administered by industry and other nonprofit institutions included in totals of respective sectors]

PERFORMANCE SECTOR AND SOURCE OF FUNDS	1955	1960	1965	1967	1968	1969	1970 (prel.)	1971 (est.)	1972 (est.)
Total research and development [1]	6,279	13,730	20,439	23,642	25,159	26,179	26,287	26,850	28,000
Percent Federal as source	55.9	63.7	63.8	61.1	59.6	57.0	55.9	55.0	54.3
Federal Government	905	1,726	3,093	3,395	3,493	3,498	3,876	3,930	4,000
Industry	4,640	10,509	14,185	16,415	17,469	18,321	17,858	18,250	19,200
Federal funds	2,180	6,081	7,740	8,395	8,600	8,450	7,784	7,750	8,050
Industry funds	2,460	4,428	6,445	8,020	8,869	9,871	10,074	10,500	11,150
Universities and colleges	409	825	1,822	2,329	2,599	2,705	2,856	2,950	3,050
Federal funds	169	405	1,073	1,409	1,572	1,600	1,658	1,700	1,750
Industry funds	25	40	41	48	55	60	62	62	65
University and college funds [2]	185	328	615	753	841	900	970	1,020	1,060
Other nonprofit institutions funds [2]	30	52	93	119	131	145	166	168	175
Universities and colleges, associated Federally Funded R and D Centers	180	360	629	673	719	725	737	760	775
Other nonprofit institutions	145	310	710	830	879	930	960	960	975
Federal funds	75	180	498	577	608	640	650	630	635
Industry funds	28	40	53	66	73	81	90	100	105
Other nonprofit institutions funds [3]	42	90	159	187	198	209	220	230	235
Total research, basic and applied	2,133	4,419	7,390	8,404	9,097	9,390	9,754	10,115	10,500
Percent Federal as source	52.9	54.7	60.5	60.0	58.9	57.2	58.0	58.1	57.7
Federal Government	400	755	1,454	1,573	1,711	1,772	2,033	2,105	2,150
Industry	1,117	2,405	3,250	3,544	3,766	3,903	3,874	4,020	4,235
Federal funds	395	912	1,224	1,268	1,223	1,175	1,161	1,235	1,300
Industry funds	722	1,493	2,026	2,276	2,543	2,728	2,713	2,785	2,935
Universities and colleges	392	791	1,765	2,239	2,503	2,588	2,712	2,805	2,900
Federal funds	161	387	1,036	1,346	1,509	1,520	1,554	1,595	1,645
Industry funds	24	37	39	46	52	55	56	56	57
University and college funds [2]	178	317	600	733	819	878	947	997	1,035
Other nonprofit institutions funds [2]	29	50	90	114	123	135	155	157	163
Universities and colleges, associated Federally Funded R and D Centers	114	219	412	469	507	485	485	510	525
Other nonprofit institutions	110	249	509	579	610	642	650	675	690
Federal funds	58	145	344	390	406	422	420	430	435
Industry funds	20	29	41	50	55	61	65	70	75
Other nonprofit institutions funds [3]	32	75	124	139	149	159	165	175	180
Total basic research	608	1,326	2,853	3,363	3,658	3,772	3,921	4,050	4,120
Percent Federal as source	47.0	52.3	63.7	64.8	64.4	63.6	63.0	63.2	62.9
Federal Government	90	160	424	478	512	577	658	670	675
Industry	189	376	592	629	642	620	599	595	585
Federal funds	27	79	186	202	180	160	150	160	150
Industry funds	162	297	406	427	462	460	449	435	435
Universities and colleges	237	576	1,419	1,785	2,011	2,087	2,185	2,275	2,335
Federal funds	103	299	879	1,124	1,268	1,275	1,288	1,330	1,355
Industry funds	16	24	26	31	36	39	40	40	40
University and college funds [2]	99	215	445	551	621	678	747	793	825
Other nonprofit institutions funds [2]	19	38	69	79	86	95	110	112	115
Universities and colleges, associated Federally Funded R and D Centers	49	97	208	250	276	275	269	290	300
Other nonprofit institutions	43	117	210	221	217	213	210	220	225
Federal funds	17	58	120	125	118	111	105	110	110
Industry funds	5	10	16	19	20	22	25	25	25
Other nonprofit institutions funds [3]	21	49	74	77	79	80	80	85	90

[1] Basic research, applied research, and development.
[2] Includes State and local government funds received by these institutions and used for research and development.
[3] Includes estimates for independent nonprofit hospitals and voluntary health agencies.

Source: U.S. National Science Foundation, *National Patterns of R & D Resources—Funds and Manpower in the United States*, 1953–72 (NSF 72-300), annual.

No. 844. Federal Expenditures for Research and Development, by Major Function: 1960 to 1972

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

FUNCTION	1960	1965	1966	1967	1968	1969	1970	1971	1972 (est.)
Total	**7,301**	**13,811**	**14,970**	**16,073**	**16,333**	**15,695**	**15,159**	**15,300**	**16,007**
National defense [1]	6,318	7,864	7,888	8,857	9,353	9,058	8,784	8,856	9,421
Space research and technology	347	4,562	5,361	5,137	4,598	4,186	3,699	3,338	3,138
Human resources [2]	366	859	1,094	1,298	1,573	1,606	1,702	1,844	2,133
Natural resources and environment	76	154	171	203	227	251	279	332	420
Economic affairs [3]	190	354	438	556	558	566	660	892	845
Other [4]	4	18	18	22	24	28	35	38	50

[1] Includes all Dept. of Defense military and all Atomic Energy Commission research and development programs, and some research and development programs of the Office of Emergency Preparedness.
[2] Health, education, manpower, income security, veterans benefits and services, and community development and housing. [3] Commerce and transportation, and agriculture and rural development.
[4] International affairs and finance, and general government.

Source: U.S. National Science Foundation, *An Analysis of Federal R & D Funding by Budget Function*, annual.

No. 845. Federal Obligations for Research and Development: 1960 to 1972

[In millions of dollars. For years ending June 30. Excludes research and development plant. For any given year, obligations differ from expenditures (see table 846) because not all funds are expended during year obligated]

ITEM	1960	1965	1966	1967	1968	1969	1970	1971	1972 [1]
Total R and D	**7,552**	**14,614**	**15,320**	**16,529**	**15,921**	**15,637**	**15,330**	**15,143**	**16,447**
Basic research	610	1,690	1,844	2,015	2,072	2,094	2,062	5,917	6,631
Applied research	1,331	3,164	3,427	3,258	3,293	3,145	3,540		
Development	5,611	9,760	10,050	11,256	10,557	10,398	9,728	9,227	9,816
Total research	**1,941**	**4,854**	**5,271**	**5,273**	**5,365**	**5,239**	**5,602**	**5,917**	**6,631**
Life sciences	511	1,167	1,301	1,451	1,537	1,501	1,533	(NA)	(NA)
Psychological sciences	38	103	100	108	98	103	113	(NA)	(NA)
Physical sciences	608	1,705	1,830	1,074	1,131	1,169	1,010	(NA)	(NA)
Environmental sciences				670	663	551	587	(NA)	(NA)
Mathematical sciences	25	105	123	130	119	116	102	(NA)	(NA)
Engineering sciences	690	1,576	1,677	1,555	1,569	1,499	1,968	(NA)	(NA)
Social sciences	35	127	166	189	195	220	216	(NA)	(NA)
Other sciences	33	70	74	95	51	80	72	(NA)	(NA)

NA Not available. [1] Estimated.

No. 846. Federal Expenditures for Research and Development, and Research and Development Plant, by Agency: 1960 to 1972

[In millions of dollars. For years ending June 30. Includes social science research. Expenditure data in this table differ from those in table 843 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 AND D PLANT				
	1960	1965	1970	1971	1972 [1]	1960	1965	1970	1971	1972 [1]
Total	**7,300**	**13,811**	**15,159**	**15,300**	**16,007**	**444**	**1,077**	**579**	**610**	**636**
Departments:										
Agriculture	121	200	285	312	346	11	6	14	8	14
Commerce	30	58	123	114	146	3	28	5	5	7
Defense	5,553	6,628	7,447	7,562	8,127	101	100	141	145	168
Army	1,066	1,409	1,753	1,639	2,008	43	20	18	33	38
Navy	1,277	1,397	2,151	2,449	2,504	24	23	22	28	44
Air Force	2,958	3,360	3,089	2,976	3,154	20	45	62	50	44
Other	252	462	454	498	461	15	12	40	34	32
Health, Educ., and Welfare	292	681	1,218	1,287	1,450	32	57	43	43	54
National Institutes of Health	256	555	877	900	1,028	31	40	41	39	39
Interior	63	109	152	176	213	2	10	8	7	12
Transportation	–	–	259	469	366	–	–	4	10	28
Atomic Energy Commission [2]	762	1,241	1,346	1,303	1,308	224	279	270	302	274
Environmental Protection Agency	–	–	68	101	157	–	–	2	–	1
National Aero. and Space Admin	347	4,562	3,699	3,338	3,138	54	531	57	44	43
National Science Foundation	58	150	293	335	409	7	57	31	39	31
Office of Economic Opportunity	–	4	79	75	70	–	–	–	–	–
Veterans Administration	15	37	58	61	66	4	4	4	7	11
All other	59	141	132	167	211	5	6	1	1	3

– Represents zero. [1] Estimated. [2] Data represent accrued costs rather than expenditures.

Source of tables 845 and 846: National Science Foundation, *U.S. Federal Funds for Research, Development, and Other Scientific Activities*, annual, vol. XX, NSF 71-35, and Office of Management and Budget, *The Budget of the United States Government*, 1973, Special Analysis R, *Federal Research and Development Programs*.

No. 847. Funds for Performance of Industrial Research and Development, by Character of Work, 1960 to 1970, and by Industry, 1970

[**In millions of dollars.** Includes performance of Federally Funded Research and Development 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 research and development capital and the social sciences]

YEAR AND INDUSTRY	Total	Total research	Basic research	Applied research	Development
1960	10,509	2,405	376	2,029	8,104
1965	14,185	3,250	592	2,658	10,934
1968	17,469	3,766	642	3,124	13,703
1969	18,318	3,905	618	3,287	14,413
1970	17,858	3,879	598	3,281	13,978
Chemicals and allied products	1,812	919	218	701	893
Petroleum refining and extraction [1]	608	263	27	236	345
Electrical equipment and communication [2]	4,324	793	144	649	3,531
Aircraft and missiles	5,173	561	62	499	4,613
All other	5,941	1,343	147	1,196	4,596

[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.

No. 848. Funds for Performance of Industrial Research and Development, by Industry and Source of Funds: 1963 to 1970

[**In millions of dollars.** Covers basic research, applied research, and development. See headnote, table 847]

ITEM	1963	1965	1969			1970		
			Total	Federal	Private industry	Total	Federal	Private industry
Total	**12,630**	**14,185**	**18,318**	**8,451**	**9,867**	**17,858**	**7,785**	**10,073**
Food and kindred products	130	151	185	2	184	196	2	194
Textiles and apparel	30	38	70	(NA)	(NA)	64	(NA)	(NA)
Lumber, wood products, and furniture	11	12	25	-	25	24	-	24
Paper and allied products	69	77	111	(NA)	(NA)	119	(NA)	(NA)
Chemicals and allied products	1,239	1,390	1,731	192	1,538	1,812	188	1,624
Petroleum refining and extraction	317	434	569	47	522	608	43	565
Rubber products	156	166	242	44	197	238	40	198
Stone, clay, and glass products	100	117	199	4	195	188	3	185
Primary metals	183	213	257	10	247	265	10	255
Fabricated metal products	153	145	182	8	174	183	6	177
Machinery	958	1,128	1,674	318	1,355	1,727	282	1,445
Electrical equip. and communication	2,866	3,168	4,323	2,357	1,965	4,324	2,263	2,061
Motor veh. and other transp. equip	1,090	1,223	1,554	297	1,257	1,475	243	1,232
Aircraft and missiles	4,712	5,098	5,792	4,516	1,276	5,173	4,066	1,107
Professional and scientific instruments	284	383	672	217	455	694	186	508
All other industries	330	443	733	(NA)	(NA)	767	(NA)	(NA)

- Represents zero. NA Not available.

No. 849. Research and Development Scientists and Engineers—Man-Years and Cost, by Industry and Source of Support: 1970

INDUSTRY	Total	Company	FEDERAL			
			Total	Dept. of Defense	Nat'l Aero. and Space Admin.	All other agencies
Man-years of R and D scientists and engineers	**369,900**	**234,400**	**138,500**	**93,400**	[1] **28,700**	[1] **16,400**
Chemicals and allied products	42,200	38,700	3,500	1,100	(NA)	2,300
Machinery	43,100	36,000	7,200	4,500	2,100	600
Electrical equipment and communication	97,700	50,700	47,000	33,000	7,200	6,800
Motor veh. and other transportation equip	24,200	19,500	4,700	3,400	(NA)	(NA)
Aircraft and missiles	83,000	20,400	62,600	42,600	16,100	3,900
Other industries	79,700	66,100	13,500	8,800	2,000	2,600
Cost (per scientist or engineer)	**$48,300**	**$22,900**	**$56,200**	**$55,200**	[1] **$54,500**	[1] **$64,800**
Chemicals and allied products	42,900	42,000	53,700	43,600	(NA)	58,700
Machinery	40,100	40,100	39,200	39,600	38,600	38,300
Electrical equipment and communication	44,300	40,700	48,100	45,500	41,400	68,200
Motor veh. and other transportation equip	61,000	63,200	51,700	57,400	(NA)	(NA)
Aircraft and missiles	62,300	54,300	65,000	64,300	64,700	73,300
Other industries	42,000	39,400	55,000	56,600	51,500	53,800

NA Not available. [1] Includes data for industries not available separately.

Source of tables 847-849: U.S. National Science Foundation, *Research and Development in Industry*, annual.

No. 850. Industrial Research and Development Funds, by Geographic Division: 1969 and 1970

[**Amounts in millions of dollars.** See headnote, table 847. For States in each division, see fig. I, p. xii]

GEOGRAPHIC DIVISION	1969				1970			
	Total	Percent	Federal	Company	Total	Percent	Federal	Company
United States	**18,474**	**100**	**8,619**	**9,856**	**17,858**	**100**	**7,785**	**10,073**
New England	1,852	10	982	870	1,832	10	953	879
Middle Atlantic	4,313	23	1,577	2,736	4,380	25	1,546	2,834
East North Central	3,5..5	19	497	3,058	3,518	20	406	3,112
West North Central	611	3	219	392	696	4	281	415
South Atlantic	1,417	8	800	617	1,434	8	734	700
East South Central	383	2	235	148	367	2	242	125
West South Central	681	4	301	380	589	3	194	395
Mountain	684	4	445	239	681	4	415	266
Pacific	4,978	27	3,562	1,415	4,361	24	3,014	1,347

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

No. 851. Federal Obligations to Universities and Colleges: 1965 to 1971

[**Money figures in millions of dollars.** For years ending June 30. Minus sign (—) denotes decrease]

ITEM	1965	1966	1967	1968	1969	1970	1971 (prel.)
Federal obligations	**2,305.5**	**3,010.0**	**3,311.1**	**3,379.7**	**3,453.3**	**3,226.7**	**3,482.2**
Percent annual increase	41.9	30.6	10.0	2.1	2.2	−6.6	7.9
Academic science obligations	1,816.2	2,163.5	2,323.8	2,349.8	2,361.4	2,167.9	2,326.3
Percent of Federal	78.8	71.9	70.2	69.5	68.4	67.2	66.8
Research and development	1,095.0	1,252.1	1,324.1	1,423.0	1,495.3	1,464.1	1,529.8
Research and development plant	126.2	114.8	116.7	104.1	57.4	27.6	30.3
Other activities	595.0	796.6	883.0	822.7	808.8	676.3	766.3
Non-science activities	489.3	846.4	987.3	1,029.9	1,091.9	1,058.8	1,155.9

Source: U.S. National Science Foundation, *Federal Support to Universities and Colleges*, annual.

No. 852. Expenditures for Scientific Purposes at Institutions of Higher Education: 1964 to 1970

[**In millions of dollars.** "N.e.c." means not elsewhere classified]

TYPE OF EXPENDITURE	UNIVERSITIES AND COLLEGES				FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS			
	1964	1966	1968	1970	1964	1966	1968	1970
Total expenditures	**3,959**	**5,129**	**6,957**	**7,872**	**776**	**777**	**855**	**900**
Current research and development	[1] 1,595	[1] 2,085	[1] 2,599	[1] 2,856	629	630	719	737
Basic research	1,261	1,601	2,011	2,186	191	227	276	269
Applied research	293	400	492	527	202	207	231	216
Development	41	83	95	144	236	196	212	252
Source of funds:								
Federal Government	917	1,261	1,572	1,658	629	629	715	734
State and local governments	173	204	225	273	(Z)	(Z)	(Z)	–
Foundations, vol. health agencies	61	76	96	112	–	–	1	–
Industry	40	42	55	62	–	–	(Z)	–
Own funds and other sources	402	502	651	752	(Z)	(Z)	2	2
Field of science (excl. development)	1,554	2,001	2,503	2,712	393	434	507	484
Engineering	199	280	334	346	39	55	75	66
Physical sciences	256	333	363	369	278	298	334	338
Environmental sciences	63	76	135	130	20	24	20	18
Mathematics	48	61	79	102	19	23	18	16
Life sciences	795	981	1,169	1,311	31	27	27	27
Psychology	44	55	77	80	4	4	5	1
Social sciences [2]	125	168	247	273	2	3	9	5
Other sciences, n.e.c.	24	46	97	100	–	–	17	13
Current expenditures for instruction	1,835	2,377	3,288	4,064	–	–	–	–
Capital expenditures for research, development, and instruction	529	667	1,071	952	147	147	136	163

– Represents zero. Z Less than $500,000. [1] Includes estimates for departmental research and for other research and development costs for which most universities and colleges do not maintain separate records.
[2] Includes anthropology, economics, history, linguistics, political science, sociology, and social sciences, n.e.c.

Source: U.S. National Science Foundation. Data derived from the 1964, 1966, 1969, and 1971 Surveys of Scientific Activities of Institutions of Higher Education.

No. 853. Scientists, Engineers, and Technicians in Private Industry, by Field of Employment, 1961 to 1970, and by Industry, 1970

[As of January. Excludes psychologists and social scientists. 1970 data are preliminary]

YEAR AND INDUSTRY	Total [1]	Engineers	Mathematicians	Chemists	Physicists	Metallurgists	Earth scientists	Life scientists	Technicians
1961	1,356,900	641,500	15,100	70,800	13,800	12,300	12,000	18,700	570,000
1965	1,564,600	748,700	25,000	81,300	14,200	10,400	13,800	20,400	646,500
1967	1,747,800	824,000	31,300	85,200	16,200	12,000	16,400	22,400	734,700
1969	1,835,000	849,000	39,000	90,500	20,600	15,200	15,900	23,600	772,500
Total, 1970	**1,860,400**	**856,700**	**39,600**	**92,200**	**21,000**	**15,500**	**16,200**	**24,100**	**786,300**
Ordnance and accessories	68,700	45,400	3,000	1,200	2,200	300	100	200	16,200
Chemicals and allied prod	154,100	46,400	1,900	42,800	2,300	900	200	12,200	46,800
Petroleum refining	19,700	9,200	200	3,200	200	100	300	(Z)	6,500
Primary and fabricated metal products	106,400	47,200	800	3,300	500	7,700	(Z)	(Z)	46,400
Machinery	172,300	85,100	3,800	2,000	1,100	1,300	(Z)	200	78,200
Communications equip	125,700	72,300	2,500	900	1,800	600	(Z)	200	46,000
Other electrical equipment	147,900	76,700	1,800	2,100	1,700	800	(Z)	100	64,200
Aircraft and parts	125,800	83,800	3,300	1,800	1,500	1,000	100	100	34,100
Motor vehicles and equip	50,000	30,500	900	1,100	400	900	(Z)	(Z)	16,100
Instruments, related prod	60,900	31,500	700	3,300	1,300	300	(Z)	400	23,400
Other manufacturing	124,200	55,000	1,800	15,900	500	200	300	3,600	44,900
Mining	46,000	17,800	300	1,000	100	300	12,900	(Z)	13,500
Contract construction	83,700	50,300	500	100	(Z)	(Z)	400	(Z)	32,400
Trans., public utilities, and other nonmanufacturing	219,500	81,900	10,200	3,900	400	300	400	1,900	119,900
Services	355,500	123,600	7,900	9,600	7,000	800	1,500	5,200	197,700

Z Less than 50. [1] Includes physical scientists, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Scientific and Technical Personnel in Industry*, Bulletin Nos. 1609, 1674, and 1723, and unpublished data.

No. 854. Professional Scientific and Technical Personnel in the Federal Government, by Occupational Group: 1960 to 1970

[1964 data as of December; other data as of October]

OCCUPATIONAL GROUP	1960	1964	1967	1968	1969		1970	
					Total	Percent female	Total	Percent female
Total	**153,383**	**186,823**	**204,198**	**206,982**	**210,303**	**15.9**	**208,257**	**16.4**
Scientific personnel	53,264	68,324	76,010	78,054	79,390	8.1	79,292	8.1
Physical sciences	17,984	26,282	28,537	29,517	30,461	6.4	29,753	6.4
Mathematics and statistics [1]	4,983	6,549	8,138	8,858	8,314	17.8	8,578	17.4
Biological sciences	21,636	24,883	27,167	27,127	27,993	4.4	28,436	4.6
Social sciences [2]	4,672	5,818	6,854	7,116	7,138	16.4	7,113	16.4
Geography and cartography	2,300	2,949	3,378	3,403	3,435	9.0	3,254	8.5
Psychology	1,689	1,843	1,936	2,033	2,049	13.2	2,158	13.7
Engineering personnel	60,978	74,869	81,213	82,765	84,148	0.5	82,972	0.5
Health professional personnel	39,141	43,630	46,975	46,163	46,765	56.8	45,993	59.2
Health officers	11,138	12,340	13,802	13,583	13,682	5.1	12,992	5.5
Other	28,003	31,290	33,173	32,580	33,083	78.2	33,001	80.4

[1] Includes actuary, mathematics, statistics, operations research, and, beginning 1964, mathematical statisticians.
[2] Includes social science, economics, history, anthropological sciences, and, beginning 1964, urban planning.

Source: U.S. National Science Foundation. Compiled from data supplied by Civil Service Commission.

No. 855. Scientific and Technical Personnel in State Government Agencies—Total, 1964 and 1967, and Selected States, 1967

YEAR AND STATE	Scientists	Engineers	Health-related professionals	Social workers	Technicians
1964	16,686	34,537	36,153	(1)	60,232
Total, 1967	**20,617**	**34,192**	**40,975**	**42,801**	**61,916**
California	2,426	5,719	3,314	2,347	6,825
Florida	787	847	2,084	1,808	2,578
Illinois	955	1,504	1,811	2,212	1,317
Maryland	445	259	1,079	1,071	1,276
Massachusetts	490	1,295	2,179	570	1,091
Michigan	713	902	1,132	2,885	1,396
Minnesota	439	635	714	312	1,025
New York	1,703	2,869	4,934	2,621	2,959
North Carolina	684	823	787	593	1,329
Ohio	551	681	1,154	724	2,585
Oregon	512	778	317	986	372
Pennsylvania	866	1,403	3,335	3,676	3,281
Texas	430	1,239	1,046	649	3,481
Virginia	730	971	1,536	289	2,331
Washington	552	866	446	1,425	1,472
Wisconsin	665	682	631	647	1,269

[1] Comparable data not available due to change in definition.

Source: U.S. Bureau of Labor Statistics, *Scientific and Professional Employment by State Government.*

No. 856. Scientists and Engineers—Employment, by Type of Institution and by Field of Employment: 1965 and 1971

[As of January. Includes full-time and part-time personnel. Excludes graduate students who receive stipends for part-time services as scientists or engineers. R and D=research and development]

Field of employment	Universities and colleges		Fed. funded R and D centers		Field of employment	Universities and colleges		Fed. funded R and D centers	
	1965	1971	1965	1971		1965	1971	1965	1971
Total [1]	**178,904**	**273,775**	**11,017**	**11,339**	Mathematicians	13,680	24,548	952	1,090
Engineers [1]	21,681	27,130	4,969	5,127	Life scientists	75,775	110,274	653	383
Aeronautical	1,127	1,469	204	172	Agricultural	13,507	18,039	37	-
Chemical	1,571	1,843	263	244	Biological	24,281	31,808	436	306
Civil	3,145	4,129	180	149	Medical	37,987	60,427	180	77
Electrical	5,478	6,885	2,194	2,239	Psychologists	9,430	16,806	109	94
Mechanical	4,108	5,387	1,311	1,336	Social scientists [1]	32,853	59,074	87	323
Physical scientists [1]	25,485	35,943	4,247	4,322	Economists	7,932	11,263	4	41
Chemists	10,684	14,688	1,254	1,203	Sociologists	6,261	11,323	13	34
Earth scientists	4,005	6,500	152	23	Political scientists	5,919	8,938	13	13
Physicists	9,132	12,195	2,357	2,612	Historians	(NA)	15,871	(NA)	10

- Represents zero. NA Not available. [1] Includes other engineers or scientists not shown separately.

Source: U.S. National Science Foundation. Data derived from the 1966 and 1971 Surveys of Scientific Activities of Institutions of Higher Education.

No. 857. Scientists and Engineers Employed in Universities and Colleges, by Function—Total and Selected States: 1971

[As of January. Full-time equivalent scientists and engineers. R&D=Research and Development]

State	Total	Teaching	R&D	Other	State	Total	Teaching	R&D	Other
United States	**242,713**	**170,824**	**49,751**	**22,138**	New Jersey	5,091	4,181	804	106
California	23,349	18,268	3,942	1,139	New York	28,029	18,923	7,295	1,811
Florida	5,576	3,822	1,257	497	North Carolina	6,491	4,375	1,105	1,011
Georgia	4,786	3,191	1,005	590	Ohio	11,281	7,195	2,145	1,941
Illinois	11,061	7,555	2,086	1,420	Pennsylvania	13,424	10,016	2,452	956
Indiana	5,076	3,774	878	424	Tennessee	4,261	3,024	768	469
Maryland	6,230	3,599	1,338	1,293	Texas	11,360	7,224	2,792	1,344
Massachusetts	11,606	8,174	3,180	252	Virginia	4,546	3,586	734	226
Michigan	8,535	6,240	1,478	817	Washington	4,600	3,089	1,097	414
Minnesota	4,451	3,826	420	205	Wisconsin	6,954	4,905	1,686	363
Missouri	5,698	3,852	1,218	628	All other States	60,308	42,005	12,071	6,232

Source: U.S. National Science Foundation, *Resources for Scientific Activities at Universities and Colleges.*

No. 858. Scientists, Engineers, and Physicians Admitted as Immigrants, by Occupation: 1965 to 1971

[For years ending June 30. Includes professors and instructors in each field]

Occupation	1965-1971, total	1965	1966	1967	1968	1969	1970	1971
Scientists and engineers	**74,740**	**5,345**	**7,205**	**12,523**	**12,973**	**10,255**	**13,337**	**13,102**
Engineers [1]	51,965	3,446	4,915	8,821	9,313	7,150	9,305	9,015
Aeronautical	1,316	69	241	369	334	126	105	72
Chemical	4,322	163	325	668	602	796	908	860
Civil	6,859	399	489	840	1,039	917	1,509	1,666
Electrical	7,917	447	680	1,344	1,432	1,128	1,464	1,422
Industrial	1,858	132	169	292	375	248	356	286
Mechanical	8,295	372	577	1,344	1,580	1,201	1,618	1,603
Metallurgical and mining	1,354	124	139	245	228	163	219	236
Natural scientists [1]	19,135	1,597	1,949	3,158	3,110	2,601	3,264	3,456
Agricultural scientists [2]	1,883	181	185	189	179	309	380	460
Biologists and medical scientists	2,284	173	227	377	328	296	388	495
Chemists	8,848	718	874	1,392	1,481	1,282	1,495	1,606
Geologists, geophysicists	925	114	98	123	174	120	162	134
Mathematicians, statisticians, etc.	2,006	114	176	396	351	238	348	383
Physicists	2,569	232	315	540	494	291	401	296
Social scientists [1]	3,640	302	341	544	550	504	768	631
Economists	1,832	174	164	263	265	249	370	347
Psychologists	896	78	97	143	159	123	163	133
Physicians and surgeons	**22,605**	**2,012**	**2,549**	**3,325**	**3,060**	**2,756**	**3,155**	**5,748**

[1] Includes occupations not shown separately. [2] Includes foresters and conservationists.

Source: U.S. National Science Foundation, *Scientists, Engineers, and Physicians from Abroad*, annual. Based on data from U.S. Immigration and Naturalization Service.

No. 859. Unemployment Rates for Scientists and Engineers: 1971

[**Percent.** Data for scientists based on spring survey of National Register of Scientific and Technical Personnel; engineers based on a 20-percent summer sample of members of major engineering professional societies]

AGE AND DEGREE	SCIENTISTS	ENGINEERS	AREA	SCIENTISTS	ENGINEERS
Total	**2.6**	**3.0**	Orange County, Calif.	5.7	7.4
			Seattle, Wash.	5.6	9.0
24 years and under	5.5	5.5	Los Angeles-Long Beach, Calif.	4.5	6.6
25–34 years	3.8	2.7	San Jose, Calif.	3.8	3.5
35–44 years	1.9	2.5	Boston, Mass.	3.5	4.5
45–54 years	2.1	3.0	Dallas-Ft. Worth, Tex.	3.3	3.0
55–64 years	1.8	4.1	San Diego, Calif.	3.2	5.8
65 years and over	3.5	3.4	St. Louis, Mo.	2.9	2.2
			Philadelphia, Pa.	2.9	3.8
Highest degree:			New York, N.Y.	2.8	3.7
Doctorate	1.4	1.9	Wichita, Kans.	2.8	7.1
Master's	3.7	3.2	Atlanta, Ga.	2.6	1.5
Bachelor's	3.5	2.8	Cape Kennedy, Fla.	2.4	6.6
Less than bachelor's	4.1	4.4	Huntsville, Ala.	1.7	2.7

Source: U.S. National Science Foundation, *Science Resources Studies Highlights* (NSF 71-26 and 33).

No. 860. Scientists—Number and Median Annual Salaries, 1968 and 1970, and by Selected Characteristics, 1970

YEAR AND CHARACTERISTIC	Number	Percent	Median salary[1]	CHARACTERISTIC	Number	Percent	Median salary[1]
1968	297,942	(X)	$13,200	Highest degree:			
				Ph. D	125,234	40	$16,500
1970, total[2]	**312,644**	**100**	**15,000**	Professional medical	7,294	2	24,000
				Master's	93,540	30	13,500
				Bachelor's	83,740	27	13,900
Men	283,351	91	15,200	Less than a bachelor's	575	(Z)	14,000
Women	29,293	9	11,600				
Professional experience:				Age:			
1 year of less	10,794	3	10,100	Under 25 years	6,785	2	8,700
2–4 years	44,968	14	11,100	25–29 years	52,679	17	10,800
5–9 years	57,757	19	13,100	30–34 years	57,477	18	13,000
10–14 years	44,330	14	15,400	35–39 years	47,318	15	15,000
15–19 years	36,242	12	17,400	40–44 years	44,613	14	16,800
			18,300	45–49 years	39,051	13	18,000
20–24 years	30,422	10	19,100	50–54 years	27,450	9	18,500
25–29 years	15,657	5	20,000	55–59 years	18,464	6	18,500
30–34 years	13,066	4	19,300	60–64 years	10,879	4	18,300
35–39 years	6,993	2	18,500	65–59 years	4,737	2	18,000
40 or more	5,703	2		70 years and over	2,263	1	16,000

X Not applicable. Z Less than 0.5 percent. [1] For definition of median, see preface.
[2] Includes number not reported for experience, degree, and age.

No. 861. Scientists—Number and Median Annual Salaries, by Type of Employer and Work Activity: 1970

TYPE OF EMPLOYER	Total	WORK ACTIVITY: Research and development			Management or administration		Teaching	Production and inspection	Other
		Total	Basic research	Applied research	Total	R and D			
Total scientists	**312,644**	**97,078**	**44,544**	**40,704**	**68,708**	**29,723**	**72,408**	**16,086**	**58,364**
Educational institutions	130,389	39,843	28,764	10,543	11,938	3,997	70,302	203	8,103
Federal Government	31,118	12,860	5,538	6,643	11,417	4,794	355	952	5,534
Other government	11,741	3,016	1,062	1,789	4,829	1,433	361	556	2,979
Military	7,285	1,422	630	699	2,635	692	404	254	2,570
Nonprofit organizations	10,911	4,601	2,173	2,231	3,051	1,520	265	231	2,763
Industry and business	97,542	33,803	5,655	18,155	33,321	16,779	274	13,437	16,707
Self-employed	6,314	535	147	312	857	265	65	257	4,600
Other	2,116	668	366	232	482	175	214	166	586
No report of employer	15,228	330	209	100	178	68	168	30	14,522
Median salary[1]	**$15,000**	**$15,000**	**$14,700**	**$15,800**	**$19,200**	**$20,700**	**$12,300**	**$13,600**	**(NA)**
Educational institutions[2]	15,500	14,500	13,700	16,000	20,500	21,000	15,000	13,700	(NA)
Federal Government	16,100	15,800	16,000	15,800	18,000	21,600	15,100	13,800	(NA)
Other government	13,000	12,900	13,100	12,600	13,600	14,300	13,000	11,000	(NA)
Nonprofit organizations	16,400	15,800	15,000	16,300	20,000	22,000	14,500	11,200	(NA)
Industry and business	16,700	16,000	16,700	16,100	20,000	21,000	15,000	13,800	(NA)
Self-employed	20,000	17,700	13,500	18,000	18,000	20,000	18,000	16,200	(NA)
Other	14,000	13,500	12,000	15,000	17,500	18,300	10,000	12,700	(NA)
No report of employer	15,000	14,400	13,500	14,600	18,000	18,900	12,100	13,200	(NA)

NA Not available. [1] For definition of median, see preface. [2] Salaries computed on calendar year basis.
Source of tables 860 and 861: U.S. National Science Foundation.

No. 862. Scientists, by Scientific Field, 1964 to 1970, and by States and Other Areas, 1970

[For discussion of coverage, see text, p. 520]

Year and state or other area	Total	Scientific field: Agricultural sciences	Biological sciences	Psychology	Atmospheric and earth sciences [1]	Mathematics and statistics [2]	Physics	Chemistry	Economics	Other social sciences
1964	223,854	9,526	27,135	16,804	23,417	20,254	26,698	63,053	12,143	24,824
1966	242,763	10,038	29,633	19,027	26,032	25,848	29,130	65,917	13,150	23,988
1968	297,942	12,740	46,183	23,077	29,491	34,088	32,491	93,788	11,510	14,574
Total, 1970	**312,644**	**15,730**	**47,493**	**26,271**	**30,393**	**38,677**	**36,336**	**86,980**	**13,386**	**17,378**
Alabama	2,611	294	369	180	145	382	342	700	106	93
Alaska	735	219	99	17	259	38	33	42	11	17
Arizona	2,692	262	480	213	440	310	348	363	87	189
Arkansas	1,097	216	241	97	95	83	53	204	55	53
California	35,219	1,345	5,100	3,806	3,665	5,349	5,542	7,461	1,146	1,805
Colorado	5,874	456	712	455	1,729	608	690	842	137	245
Connecticut	5,546	84	822	516	213	770	791	1,767	231	352
Delaware	2,928	28	198	67	40	118	148	2,252	33	44
District of Columbia	8,857	322	985	594	1,000	1,272	1,135	1,183	1,507	859
Florida	5,727	393	1,030	642	615	729	606	1,193	218	301
Georgia	3,960	495	848	336	251	476	265	855	202	232
Hawaii	1,289	97	255	112	228	141	91	175	54	136
Idaho	1,318	463	184	66	125	75	105	239	27	34
Illinois	16,020	353	2,642	1,489	994	1,895	1,683	5,236	751	977
Indiana	6,641	227	1,172	501	298	862	681	2,156	311	433
Iowa	3,364	199	785	318	153	408	343	700	221	237
Kansas	2,927	166	568	345	352	380	209	593	133	181
Kentucky	2,488	161	446	229	195	251	172	733	123	178
Louisiana	4,382	313	621	184	1,350	334	209	1,086	117	168
Maine	935	157	175	79	62	117	59	187	42	57
Maryland	10,725	240	2,464	699	901	1,754	1,712	2,217	303	435
Massachusetts	12,677	127	1,900	967	773	1,818	2,505	3,206	580	801
Michigan	10,976	517	1,680	1,068	560	1,273	990	3,533	508	847
Minnesota	5,516	391	1,021	562	292	736	480	1,491	237	306
Mississippi	1,367	234	291	80	199	126	66	250	53	68
Missouri	5,748	264	1,014	434	486	621	484	1,841	296	308
Montana	1,280	424	235	47	231	91	44	134	37	37
Nebraska	1,780	185	378	150	239	218	113	289	96	112
Nevada	741	130	86	41	192	47	77	109	27	32
New Hampshire	1,057	103	217	76	92	117	127	197	54	74
New Jersey	14,337	132	1,332	908	346	1,631	1,674	7,692	259	363
New Mexico	2,718	267	259	113	383	365	781	430	50	70
New York	32,391	485	4,842	3,630	1,443	4,672	4,201	9,424	1,662	2,032
North Carolina	4,912	359	1,011	355	279	584	360	1,396	214	354
North Dakota	746	114	176	54	103	60	31	152	33	23
Ohio	13,404	248	1,656	1,088	680	1,351	1,499	5,734	494	654
Oklahoma	3,647	163	420	185	1,124	348	174	1,031	102	100
Oregon	3,674	1,045	705	270	285	309	223	508	144	185
Pennsylvania	17,094	394	2,445	1,605	864	1,959	1,938	6,405	615	869
Rhode Island	1,365	35	221	109	90	159	220	372	47	112
South Carolina	1,867	236	268	125	92	179	139	673	87	68
South Dakota	753	167	167	62	83	76	29	90	36	43
Tennessee	4,310	221	696	309	241	412	562	1,503	164	202
Texas	15,671	573	1,817	901	4,375	1,696	1,445	3,843	382	639
Utah	2,271	263	423	156	387	227	195	446	65	109
Vermont	676	70	156	61	44	69	82	119	33	42
Virginia	6,493	337	780	497	565	1,164	919	1,535	354	342
Washington	5,728	741	974	460	561	664	640	1,187	189	312
West Virginia	1,823	163	213	106	124	96	76	896	74	75
Wisconsin	6,005	403	1,127	541	371	695	570	1,525	301	472
Wyoming	888	204	102	43	286	46	47	115	26	19
Other areas	616	33	118	36	102	48	41	163	24	51
Foreign	4,778	212	567	287	1,391	468	387	507	328	631

[1] Beginning 1968, includes space and marine sciences. [2] Beginning 1968, includes computer sciences.

Source: U.S. National Science Foundation, *American Science Manpower*, biennial. Data derived from the National Register of Scientific and Technical Personnel.

No. 863. Median Salaries in Selected Science Fields: 1966, 1968, and 1970

[**In dollars.** Covers full-time employed civilians reporting to the National Register of Scientific and Technical Personnel. For discussion of coverage, see text, p. 520. For definition of median, see preface]

FIELD	1966	1968	1970	FIELD	1966	1968	1970
All fields	**12,000**	**13,200**	**15,000**	Linguistics	10,000	11,500	12,500
Agricultural sciences	10,000	11,000	12,800	Mathematics	(NA)	13,000	14,300
Anthropology	11,500	12,700	14,700	Atmospheric and space sciences	11,700	13,400	15,200
Biological sciences	12,000	13,000	15,000	Physics	12,500	14,000	15,900
Chemistry	12,000	13,500	15,300	Political science	(NA)	12,000	13,100
Computer sciences	(NA)	14,100	16,500	Psychology	11,500	13,200	15,000
Earth and marine sciences	11,400	12,900	14,900	Sociology	11,300	12,000	13,000
Economics	13,100	15,000	16,300	Statistics	12,800	14,900	16,900

NA Not available.

Source: U.S. National Science Foundation, *Reviews of Data on Science Resources*, Nos. 11, 16, and 19.

No. 864. Mean Annual Salaries of Scientific, and Health Personnel, by Occupational Field, by Sex: 1970

[**In dollars.** As of October]

OCCUPATIONAL FIELD	Total	Male	Female	OCCUPATIONAL FIELD	Total	Male	Female
Scientific personnel, total	**17,028**	**16,456**	**13,958**	Mathematics and statistics	17,035	17,590	14,391
Physical sciences	17,792	18,082	13,574	Mathematics	15,480	15,843	14,135
General physical	20,525	20,743	14,995	Statistics	16,713	17,314	14,467
Chemistry	16,003	16,479	13,398	Social sciences	17,695	18,257	14,883
Physics	17,835	17,889	15,692	General	16,744	17,649	14,680
Biological sciences	14,144	14,218	12,602	Economics	18,001	18,349	15,220
General biological	15,872	16,565	12,170	History	16,514	17,204	13,571
Agricultural sciences	13,221	13,214	14,898	Geography and cartography	13,883	14,104	12,419
Animal sciences	17,260	17,430	14,518	Psychology	18,177	18,532	15,937
Microbiology	15,618	16,608	13,108	**Health personnel, total**	**13,416**	**17,520**	**10,592**
Plant sciences	14,453	14,516	12,486	Health officers	19,453	19,346	21,286
				Nursing personnel	10,049	10,899	10,909

Source: U.S. National Science Foundation, *Scientific, Technical, and Health Personnel in the Federal Government, 1970* (NSF 71-47) and unpublished data. Compiled from data supplied by Civil Service Commission.

No. 865. Doctorates Conferred—Total and Selected Science Fields, by Characteristics: 1971

[Year ending June 30. For definition of median, see preface]

ITEM	All fields, total [1]	Physical sciences [2]	Engineering	Life sciences [3]	Psychology	Social sciences [4]
Doctorates conferred	31,772	5,730	3,495	5,051	2,116	2,595
Percent	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Male	85.5	94.1	99.5	85.9	75.1	86.2
Female	14.4	5.9	.4	14.1	24.8	13.8
U.S. citizens	83.7	81.7	69.1	79.0	93.1	80.7
Foreign citizens	14.4	16.9	29.8	19.0	5.7	17.0
Citizenship unknown	1.8	1.4	1.0	2.0	1.0	2.2
Median age at award ... years	30.1	28.4	29.8	29.6	28.8	30.8
Percent with baccalaureate in same field as doctorate	61.8	78.1	86.3	54.4	68.9	55.8
Percent with master's degree	79.3	57.9	89.3	77.0	75.7	80.9
Median time lapse from baccalaureate to doctorate:						
Total time ... years	7.3	6.2	7.2	6.8	6.2	7.9
Registered time ... years	5.6	5.4	5.3	5.4	5.2	5.7

[1] Includes arts and humanities, not shown separately.
[2] Includes astronomy, physics, chemistry, earth sciences, and mathematics.
[3] Includes agriculture, forestry, health sciences, and biological sciences.
[4] Includes anthropology, archaeology, sociology, economics, political science, international relations.

Source: U.S. National Science Foundation, Data from National Research Council, *Summary Report, 1971 Doctorate Recipients from United States Universities.*

No. 866. Science Doctorates Conferred and Enrollment for Advanced Degrees: 1960 to 1971

[Doctorates conferred, years ending June 30; enrollment, as of fall term]

FIELD OF SCIENCE	1960	1965	1966	1967	1968	1969	1970	1971
Science doctorates conferred	6,276	10,528	11,469	12,981	14,420	15,993	17,822	18,987
Life sciences [1]	1,730	2,679	2,869	3,116	3,681	4,116	4,564	5,051
Agricultural and related	343	480	485	517	581	707	809	961
Health sciences	69	145	175	176	195	253	300	349
Anatomy, cytology, embryology	33	139	132	160	154	206	221	241
Physiology and related fields	217	403	396	470	574	579	626	691
Botany and phytopathology	188	240	247	215	285	295	281	309
Biochemistry	259	391	446	495	573	547	580	653
Microbiology	184	273	286	330	357	380	399	407
Zoology and entomology	270	360	395	372	466	457	519	572
Psychology	773	955	1,133	1,293	1,452	1,728	1,883	2,116
Physical sciences	1,861	2,859	3,028	3,478	3,642	3,901	4,389	4,494
Physics and astronomy	531	1,046	1,049	1,295	1,422	1,452	1,657	1,740
Chemistry	1,077	1,439	1,580	1,764	1,782	1,947	2,223	2,204
Earth sciences	253	374	399	419	483	502	509	550
Engineering	792	2,068	2,283	2,581	2,833	3,234	3,432	3,495
Mathematics	291	684	766	828	970	1,063	1,218	1,236
Social sciences, selected	829	1,283	1,390	1,685	1,842	1,951	2,336	2,595
Sociology	162	239	258	332	362	402	506	583
Economics	352	561	622	700	756	799	971	951
Pol. science, pub. admin., int'l rel.	238	391	401	495	571	559	634	821
Anthropology and archeology	77	92	109	158	153	191	225	240
Graduate enrollment, all fields	314,349	535,332	583,000	649,697	703,745	756,865	816,207	
Science fields	120,638	195,346	207,049	224,468	234,661	243,715	252,159	
Agriculture and forestry	4,412	6,426	6,698	7,306	7,677	8,186	8,651	
Biological sciences, incl. general programs	15,303	28,323	30,309	32,648	33,999	36,017	37,609	
Mathematical subjects [2]	11,770	21,014	23,150	25,066	26,840	29,175	30,608	(NA)
Physical sciences	25,707	36,506	37,950	40,447	40,937	39,885	40,113	
Engineering	36,636	57,516	58,338	62,633	63,662	65,048	64,788	
Psychology	10,677	15,551	16,709	19,064	21,643	22,726	25,340	
Social sciences	16,133	30,010	33,895	37,304	39,903	42,678	45,048	
Health fields	5,842	8,909	9,839	10,139	11,373	12,564	14,242	
All other fields	187,869	331,077	366,112	415,090	457,711	500,586	549,806	

NA Not available.
[1] Includes fields not shown separately. [2] Beginning 1965, includes computer science.

Source: U.S. National Science Foundation. Data from National Research Council, Doctorate Record File; and U S Office of Education, *Enrollment for Masters and Higher Degrees*, annual

No. 867. Patents and Trademarks: 1951 to 1971

[Covers patents issued to citizens of United States and residents of foreign countries. For information on copyrights, see table 814. See also *Historical Statistics, Colonial Times to 1957*, series W 66–75 and W 77–78]

ITEM	1951–55	1956–60	1961–65	1966–70	1960	1965	1969	1970	1971
Patent applications filed	379,053	410,389	463,193	504,613	84,475	100,421	104,357	109,359	111,095
Inventions	351,649	384,782	436,082	476,239	79,590	94,632	98,386	102,868	104,566
Designs	25,951	23,865	25,251	26,260	4,525	5,413	5,496	5,996	6,211
Botanical plants	467	584	628	584	131	105	111	188	155
Reissues	986	1,158	1,232	1,530	229	271	364	307	163
Patents issued	208,964	251,872	275,443	342,889	49,986	66,647	71,229	67,962	81,789
Inventions	192,651	237,469	259,971	325,144	47,170	62,857	67,557	64,427	78,316
Individuals	78,459	76,589	69,945	73,503	13,069	16,063	14,772	13,511	17,299
Corporations:									
United States	100,278	133,948	152,537	190,616	28,187	37,158	38,847	36,896	43,022
Foreign [1]	10,537	21,043	30,992	52,771	4,670	8,096	12,188	12,294	16,048
U.S. Government	3,359	5,889	6,497	8,254	1,244	1,540	1,750	1,726	1,947
Designs	15,084	13,024	13,862	16,254	2,543	3,424	3,335	3,214	3,156
Botanical plants	441	567	576	426	116	120	103	52	71
Reissues	788	812	1,034	1,065	157	246	234	269	246
Published applications [2]	–	–	–	586	–	–	275	215	207
Certificates of trademarks issued	100,942	108,246	106,635	128,465	22,367	21,666	26,789	27,821	27,232
Trademarks	83,311	90,727	91,946	104,181	18,434	18,501	20,613	21,745	21,019
Trademark renewals	17,631	17,519	14,689	24,284	3,933	3,165	6,176	6,076	6,213

– Represents zero.
[1] Includes patents assigned to foreign governments.
[2] Abstracts of the technical disclosure of patent applications published at request of applicant or owner. The current practice, called "Defensive Publications," began in November 1968.

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

No. 868. Federal Space Program—Expenditures, by Agency: 1960 to 1972

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

YEAR	Total [1]	NASA [2]	Dept. of Defense	Atomic Energy Commission	YEAR	Total [1]	NASA [2]	Dept. of Defense	Atomic Energy Commission
1960	888	329	518	41	1967	7,208	5,307	1,673	184
1961	1,468	694	710	64	1968	6,647	4,575	1,890	146
1962	2,387	1,226	1,029	130	1969	6,331	4,083	2,095	117
1963	4,079	2,517	1,368	181	1970	5,424	3,565	1,756	103
1964	5,900	4,101	1,564	220	1971	4,961	3,171	1,693	97
1965	6,856	5,005	1,592	232	1972 (est.)	4,504	2,954	1,487	63
1966	7,689	5,828	1,637	188					

[1] Includes agencies not shown separately.
[2] National Aeronautics and Space Administration. Excludes amounts for aircraft technology.

Source: 1960–1965, Report to the Congress from the President of the United States, *United States Aeronautics and Space Activities*, 1966; thereafter, U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

No. 869. National Aeronautics and Space Administration—Expenditures for Research and Development: 1961 to 1972

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

PROGRAM	1961	1965	1966	1967	1968	1969	1970	1971	1972 est.
Performance, total [1]	**438**	**4,562**	**5,361**	**5,137**	**4,599**	**4,187**	**3,699**	**3,338**	**3,138**
Manned space flight	232	3,138	3,819	3,477	3,028	2,754	2,195	1,877	1,621
Space science and applications	15	725	755	782	692	563	648	657	762
Space technology	123	401	365	378	369	330	315	270	219
Aircraft technology	36	88	101	116	145	162	183	205	221
Supporting operations	33	210	321	384	365	378	358	329	315
Facilities, total	**90**	**531**	**572**	**280**	**127**	**65**	**54**	**44**	**43**
Manned space flight	6	401	391	172	69	27	14	8	15
Space science and applications	1	25	23	14	8	7	8	4	4
Space technology	19	53	40	33	21	14	13	2	1
Aircraft technology	15	–	4	2	4	7	5	4	5
Supporting operations	50	52	114	68	25	10	14	26	18

– Represents zero. [1] Includes research and development, and research and program management.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

No. 870. Spacecraft Launchings: 1957 to 1971

[Criterion of success is attainment of earth orbit or earth escape, respectively]

YEAR	United States				U.S.S.R. successful launchings	YEAR	United States				U.S.S.R. successful launchings
	Earth orbit		Earth escape				Earth orbit		Earth escape		
	Success	Failure	Success	Failure			Success	Failure	Success	Failure	
Total	**680**	**104**	**43**	**13**	**593**	1964	69	8	4	–	38
						1965	94	8	3	–	73
1957	–	1	–	–	2	1966	95	12	5	[1] 1	51
1958	5	8	–	4	1	1967	77	4	10	–	67
1959	9	9	1	2	3						
						1968	61	3	3	–	74
1960	16	12	1	2	3	1969	50	1	8	–	70
1961	35	12	–	[1] 2	7	1970	29	1	1	–	81
1962	54	12	4	1	21	1971	26	2	3	1	84
1963	60	11	–	–	18						

– Represents zero. [1] Attained earth orbit and included in earth orbit success totals.

Source: Report to the Congress from the President of the United States, *U.S. Aeronautical and Space Activities*, annual.

No. 871. Orbital Manned Spacecraft: 1961 Through April 1972

Country, vehicle, and astronaut	Launching date	Payload: Dimensions [1] (ft.)	Payload: Liftoff weight (lb.)	Earth orbits: Perigee (statute miles)	Earth orbits: Apogee (statute miles)	Earth orbits: Revolutions [2]	Lifetime (hr.: min.)
UNITED STATES							
Mercury Atlas: [3]							
6 Glenn	2-20-62	[4] 26H-6D	[5] 4,265	100	162.2	3	4:55
7 Carpenter	5-24-62	[4] 26H-6D	[5] 4,244	99.9	166.8	3	4:56
8 Schirra	10-3-62	[4] 26H-6D	[5] 4,325	100	175.8	6	9:13
9 Cooper	5-15-63	[4] 26H-6D	[5] 4,000	100.3	165.9	22	34:19
Gemini: [6]							
3 Grissom and Young	3-23-65	19H-10D	7,136	100	139	3	4:52
4 McDivitt and White	6-3-65	19H-10D	7,879	100	184	62	97:56
5 Cooper and Conrad	8-21-65	19H-10D	7,879	100	207	120	190:55
6 Schirra and Stafford	12-15-65	19H-10D	7,817	100	193	16	25:51
7 Borman and Lovell	12-4-65	19H-10D	8,076	100	204	206	330:35
8 Armstrong and Scott	3-16-66	19H-10D	8,351	99	186	6.6	10:41
9 Cernan and Stafford	6-3-66	19H-10D	8,100	100	194	45	72:21
10 Young and Collins	7-18-66	19H-10D	8,295	100	476	43	70:46
11 Conrad and Gordon	9-12-66	19H-10D	8,374	99	853	44	71:17
12 Lovell and Aldrin	11-11-66	19H-10D	8,296	100	187	59	94:34
Apollo: [7]							
7 Schirra, Eisele, and Cunningham	10-11-68	[4] 82H-21.7D	45,374	104	282	163	260:08
8 Borman, Lovell, and Anders	12-21-68	[4] 82H-21.7D	96,260	119	119	[8] 2	147:00
9 McDivitt, Scott, Schweickart	3-3-69	[4] 82H-21.7D	103,985	112	312	151	241:00
10 Stafford, Young, and Cernan	5-18-69	[4] 82H-21.7D	107,230	115	118	[9] 2	192:03
11 Armstrong, Collins, and Aldrin	7-16-69	[4] 82H-21.7D	109,565	118	118	[10] 2	195:18
12 Conrad, Gordon, and Bean	11-14-69	[4] 82H-21.7D	109,800	115	118	[11] 2	244:36
13 Lovell, Swigert, and Haise	4-11-70	[4] 82H-21.7D	110,210	115	115	[12] 2	142:55
14 Shepard, Mitchell, and Roosa	1-31-71	[4] 82H-21.7D	111,132	113.7	117.3	[13] 2	216:20
15 Scott, Worden, and Irwin	7-26-71	82H-21.7D	107,155	105	106	[14] 2	295:11
16 Young, Mattingly, and Duke	4-16-72	82H-21.7D	107,195	104	109	[15] 2	265:51
U.S.S.R.							
Vostok (East):							
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 (Sunrise):							
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 (Union):							
I Komarov [16]	4-23-67	(NA)	(NA)	122.6	137.9	18	26:45
III Beregovoy	10-26-68	(NA)	(NA)	(NA)	(NA)	61	94:51
IV Shatalov	1-14-69	(NA)	(NA)	(NA)	(NA)	48	71:14
V Volynov, Yeliseyev, Krunov	1-15-69	(NA)	(NA)	(NA)	(NA)	49	72:46
VI Shonin, Kubasov	10-11-69	(NA)	14,500	(NA)	(NA)	75	118:21
VII Filipchenko, Volkov, Gorbazko	10-12-69	(NA)	14,500	(NA)	(NA)	75	118:43
VIII Shatalov, Yeliseyev	10-13-69	(NA)	14,500	(NA)	(NA)	75	118:51
IX Nikolayez, Sevastianov	6-1-70	37.9H-11.2D	14,500	(NA)	(NA)	286	424:59
X Shatalov, Yeliseyev, Rukavishnikov	4-22-71	37.9H-11.2D	14,500	129.3	152.9	32	47:46
XI Deobrovolsky, Volkov, Patsayev [17]	6-6-71	31H-10D	14,500	142.4	147.7	361	570:23

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] Dimensions and weight cover Apollo spacecraft command service and lunar modules including escape tower. [5] Recovery weight (in lb.): 2,400, 2,480, 2,440, and 2,460, respectively. [6] Vehicle lift-off weight, 340,000 lb.; *dimensions, 109H-10D; payload recovery weight,* 4,700 lb. [7] Vehicle lift-off weight, 6,500,000 lb.; maximum dimensions, 363H-33D; payload recovery weight, 11,700 lb. [8] 2 earth and 10 lunar orbits, 70 statute miles above the moon. [9] 2 earth orbits plus 30.8 lunar orbits by the command and lunar excursion modules; time in lunar orbit, 61 hours, 41 minutes. For the command module, the low and high points in lunar orbit were 68.6 and 196.1 statute miles, respectively; for the lunar excursion module, 9.7 and 219.8 miles. [10] Two earth revolutions and 30 lunar revolutions at 70 miles; first manned lunar landing; 47.6 lb. of rocks returned; astronauts on lunar surface 21 hrs. 36 min. [11] Two earth revolutions and 44.5 lunar revolutions at 70 miles; second manned lunar landing; about 75 lb. of rocks returned; astronauts on surface 31.5 hours. [12] Two earth orbits; spacecraft made one pass around moon and returned to earth. [13] Two earth revolutions and 34 moon revolutions; 33½ hours on surface of moon.

[14] Two earth orbits and 74 lunar revolutions; 66 hours and 55 minutes on lunar surface; 170 pounds of lunar rocks returned; first use of lunar rover vehicle. [15] Two earth revolutions and 65 lunar revolutions; 213 pounds of lunar rocks returned; astronauts on surface for 71 hours and 12 minutes. [16] Cosmonaut killed when spacecraft crashed when landing. [17] Cosmonauts killed during Soyuz XI reentry.

Source: U.S. 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.)

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 on ownership and operation of motor vehicles is the Department of Transportation's Federal Highway Administration. The annual *Highway Statistics* and the historical *Highway Statistics, Summary to 1965*, are publications of the Federal Highway Administration; *Accidents of Large Motor Carriers of Property* and *Accidents of Class I Motor Carriers of Passengers*, which present data on accidents involving intercity trucks and buses, respectively, are annual publications of the Bureau of Motor Carrier Safety. The department's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident Bulletin*.

Another major source of data on land transport is the Interstate Commerce Commission. Among its publications are the monthly *Transport Economics* and the *Annual Report*, containing operating data on all types of domestic transport, and the annual *Transport Statistics in the United States*, which is issued in separate parts. Part 1 is devoted to railroads, part 6 to oil pipelines, and part 7 to motor carriers. *Statistics of Railways in the United States*, published annually from 1887 through 1953, is a source of historical data.

Various censuses conducted by the Bureau of the Census also provide data relating to transportation. Data from the 1963 and 1967 censuses of transportation are presented in *Commodity Transportation Survey*, *National Travel Survey*, and *Truck Inventory and Use Survey*. The 1967 *Motor Carrier Survey* was conducted as part of the Census of Business; data from the corresponding 1963 survey were issued as part of the Census of Transportation. The *Annual Survey of Manufactures* and reports of the Census of Manufactures and the Census of Business contain statistics on the motor-vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Additional data from those reports are included in sections 28 and 29.

Nongovernmental data can be found in the weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published 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.

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 State trunklines. 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; the class I minimum for motor carriers of passengers remained at $200,000 until 1969, when it was increased to $1,000,000.

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. 872. Operating Revenues, by Type of Transport: 1940 to 1970

[Excludes Alaska and Hawaii, except as noted]

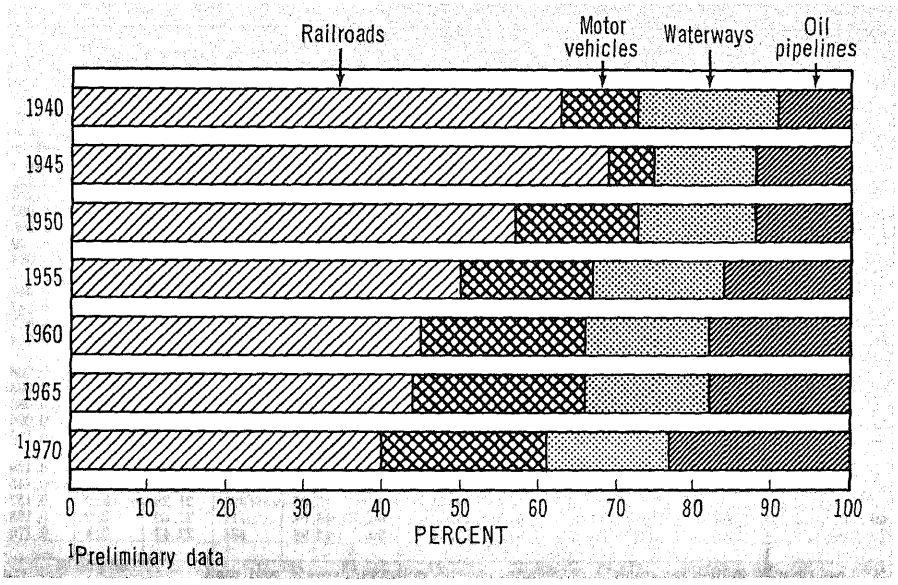
TRANSPORT AGENCY	1940	1945	1950	1955	1960	1965	1968	1969	1970 (prel.)
REVENUES (mil. dol.)									
Electric railways	53	87	79	60	23	13	12	13	12
Railway Express [1]	120	284	223	241	248	316	299	270	313
Railroads [2] [3]	4,519	9,284	9,924	10,590	9,955	10,738	11,357	11,951	12,500
Waterlines [4]	113	173	330	452	427	426	435	450	530
Pipelines (oil) [5]	226	304	442	678	770	904	1,023	1,103	1,188
Domestic scheduled air carriers [6]	77	215	558	1,215	2,129	3,609	5,607	6,857	7,131
Motor carriers of property [3]	898	1,840	3,737	5,535	7,214	10,068	12,400	13,944	14,400
Motor carriers of passengers	176	652	539	552	667	885	991	1,007	1,037
INDEX (1967=100)									
Railroads [2]	42	85	91	97	92	99	104	110	115
Pipelines (oil)	23	31	44	68	77	91	103	111	119
Domestic scheduled air carriers [6]	2	4	11	25	44	74	115	140	146
Motor carriers of property [3]	8	16	33	49	64	89	110	123	127
Motor carriers of passengers	19	69	57	58	71	94	105	107	110

[1] After deducting payments to others for express privileges. [2] Includes pullman, 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: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation.* Beginning 1955, includes Alaska and Hawaii. Revenues for scheduled passenger cargo operations.

Source: Except as noted, U.S. Interstate Commerce Commission, *Annual Report, Statistics of Class I, II, and III Motor Carriers, 1939–1956* (Statement No. 589); *Transport Economics,* monthly; and unpublished data.

FIG. XXXVIII. PERCENT DISTRIBUTION OF TON-MILES OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1940 TO 1970

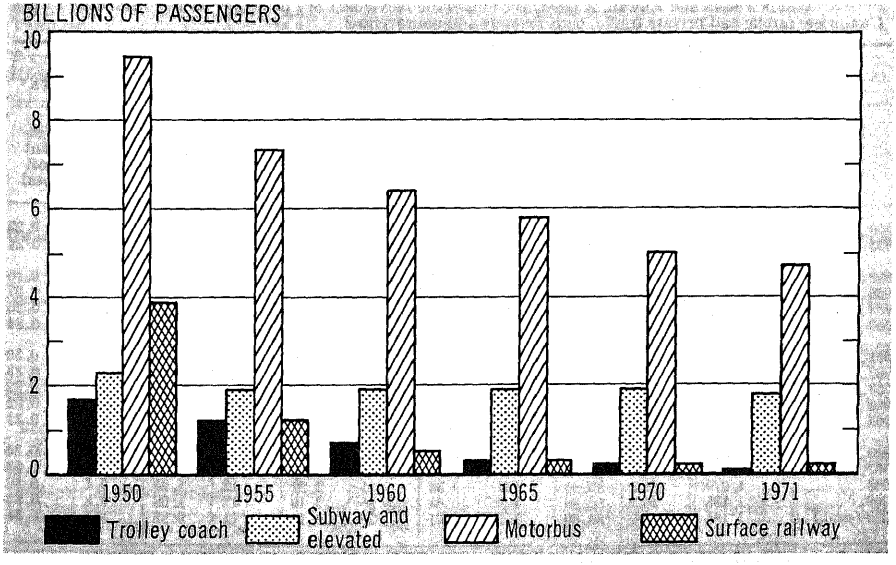
[Airways not shown separately—less than 1 percent. See table 873



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Interstate Commerce Commission.

FIG. XXXIX. PASSENGERS CARRIED BY PUBLIC TRANSPORTATION: 1950 TO 1971

[See table 910]



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

No. 873. Volume of Domestic Intercity Freight Traffic, by Type of Transport: 1940 to 1970

[**In billions of ton-miles, except percent.** Motor vehicles and 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	412	63.24	62	9.53	118	18.13	59	9.10	(Z)	0.002
1945	1,072	736	68.64	67	6.24	143	13.31	127	11.80	.1	0.008
1950	1,094	628	57.44	173	15.80	163	14.93	129	11.81	.3	0.029
1955	1,298	655	50.43	223	17.20	217	16.68	203	15.66	.6	0.037
1957	1,354	645	47.62	254	18.77	232	17.12	223	16.45	.6	0.042
1958	1,231	575	46.68	256	20.76	189	15.35	211	17.16	.6	0.047
1959	1,303	599	46.01	279	21.41	197	15.09	227	17.43	.7	0.057
1960	1,330	595	44.73	285	21.46	220	16.56	229	17.19	.8	0.058
1961	1,326	586	44.17	296	22.36	210	15.82	233	17.59	.9	0.068
1962	1,387	616	44.38	309	22.30	223	16.08	238	17.14	1.3	0.093
1963	1,469	644	43.82	336	22.89	234	15.94	253	17.26	1.3	0.088
1964	1,556	679	43.65	356	22.90	250	16.08	269	17.27	1.5	0.096
1965	1,651	721	43.67	359	21.76	262	15.89	306	18.56	1.9	0.116
1966	1,759	762	43.33	381	21.66	281	15.95	333	18.93	2.3	0.128
1967	1,776	742	41.79	389	21.88	281	15.85	361	20.33	2.6	0.145
1968	1,839	757	41.16	396	21.55	291	15.85	391	21.28	2.9	0.157
1969	1,895	774	40.84	404	21.32	303	15.98	411	21.69	3.2	0.168
1970 (prel.)	1,921	768	39.97	412	21.44	307	15.98	431	22.43	3.4	0.176

Z Less than 50 million ton-miles. [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.

Source: U.S. Interstate Commerce Commission, *Annual Report;* Statement No. 6103, *Intercity Ton-Miles, 1939–1959*; and *Transport Economics*, monthly.

No. 874. Volume of Domestic Intercity Passenger Traffic, by Type of Transport: 1950 to 1970

[**In billions 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]		Bus (excludes schoolbus)		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	438	86.20	10	1.98	26	5.20	32	6.39	1.2	0.23
1955	716	637	89.01	23	3.18	25	3.56	29	4.01	1.7	0.24
1957	748	670	89.61	28	3.76	21	2.87	26	3.51	1.9	0.26
1958	760	685	90.14	29	3.75	21	2.73	24	3.11	2.1	0.27
1959	765	687	89.89	33	4.26	20	2.66	22	2.93	2.0	0.26
1960	784	706	90.10	34	4.33	19	2.47	22	2.75	2.7	0.34
1961	791	714	90.18	35	4.37	20	2.56	21	2.59	2.3	0.30
1962	818	736	89.95	37	4.58	22	2.66	20	2.47	2.7	0.33
1963	853	766	89.83	43	5.02	23	2.64	19	2.19	2.8	0.32
1964	896	802	89.53	49	5.49	23	2.61	18	2.05	2.8	0.32
1965	920	818	88.86	58	6.31	24	2.58	18	1.91	3.1	0.34
1966	971	856	88.19	69	7.14	25	2.53	17	1.78	3.4	0.35
1967	1,021	890	87.18	87	8.55	25	2.44	15	1.50	3.4	0.33
1968	1,079	936	86.80	101	9.38	25	2.27	13	1.23	3.4	0.32
1969	1,138	977	85.86	120	10.54	25	2.19	12	1.08	3.8	0.33
1970 (prel.)	1,185	1,026	86.60	119	10.01	25	2.14	11	0.92	4.0	0.34

[1] Includes domestic commercial revenue service and private pleasure and business flying.
[2] Includes electric railways. [3] Includes Great Lakes.

Source: U.S. Interstate Commerce Commission, *Annual Report*, and *Transport Economics*, monthly.

No. 875. Employment in Transportation, by Type of Transport: 1960 to 1971

[Annual averages]

TYPE OF TRANSPORT	NUMBER (1,000)					PERCENT				
	1960	1965	1969	1970	1971	1960	1965	1969	1970	1971
Total	**2,550**	**2,532**	**2,715**	**2,689**	**2,642**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Railroad	885	735	644	627	598	34.7	29.0	23.7	23.3	22.6
Local and interurban passenger	284	269	282	279	271	11.2	10.6	10.4	10.4	10.3
Trucking and warehousing	856	964	1,083	1,095	1,115	33.6	38.1	39.9	40.7	42.2
Air	191	229	353	348	333	7.5	9.0	13.0	12.9	12.6
Pipeline	23	20	18	18	18	0.9	0.8	0.7	0.7	0.7
Water	310	230	231	215	201	12.2	9.1	8.5	8.0	7.6
Other		85	104	107	106		3.4	3.8	4.0	4.0

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 876. Largest Transportation Companies—Revenues and Assets, by Rank of Operating Revenues: 1960 to 1971

[**In millions of dollars, except percent.** As of December 31 or calendar year, as applicable. Companies listed derive at least 50 percent of their operating revenues from carrier operations; excludes companies primarily engaged in freight forwarding, express shipping, or vehicle rental]

OPERATING REVENUE GROUP	1960		1965		1970		1971	
	Revenues [1]	Assets [2]	Revenues [1]	Assets [2]	Revenues [1]	Assets [2]	Revenues [1]	Assets [2]
50 largest	**11,795**	**30,684**	**15,702**	**35,606**	**23,047**	**46,412**	**24,700**	**45,412**
Lowest ten	719	1,277	927	1,919	1,010	1,770	1,117	1,523
Second ten	1,111	1,905	1,258	1,733	1,357	1,655	1,644	2,433
Third ten	1,785	5,548	2,257	5,694	2,498	3,845	2,937	3,945
Fourth ten	2,718	7,589	3,690	8,331	5,550	12,720	6,290	13,180
Highest ten	5,461	14,366	7,569	17,930	12,632	26,423	12,713	24,332
Percent of total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Lowest ten	6.1	4.2	5.9	5.4	4.4	3.8	4.5	3.4
Second ten	9.4	6.2	8.0	4.9	5.9	3.6	6.7	5.4
Third ten	15.1	18.1	14.4	16.0	10.8	8.3	11.9	8.7
Fourth ten	23.0	24.7	23.5	23.4	24.1	27.4	25.5	29.0
Highest ten	46.3	46.8	48.2	50.4	54.8	56.9	51.5	53.6

[1] Gross receipts from transportation (including consolidated subsidiaries) for year.
[2] Total assets employed in business, net of depreciation.

Source: Fortune, New York, N.Y.; adapted from *The Fortune Directory*. (Copyright, by Time Inc.)

No. 877. Highway Construction—Contracts Awarded: 1950 to 1971

[**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	1950	1955	1960	1965	1966	1967	1968	1969	1970	1971
Total	**1,528**	**2,619**	**4,030**	**4,935**	**5,459**	**5,522**	**5,305**	**6,625**	**6,520**	**6,327**
Federally owned highways	36	59	129	135	127	78	84	38	52	171
State owned highways	1,492	2,560	3,901	4,800	5,332	5,444	5,220	6,587	6,468	6,156
Federally aided projects:										
Total value	798	1,256	3,097	3,896	4,173	4,112	3,711	5,048	4,877	4,595
Federal funds	415	667	2,218	2,976	3,131	3,077	2,766	3,784	3,619	3,422
Independent State projects:										
Total value	694	1,304	804	904	1,159	1,332	1,510	1,539	1,591	1,561
Toll facilities	228	695	165	49	99	213	63	78	49	159

Source: U.S. Bureau of the Census. In U.S. Bureau of Domestic Commerce, *Construction Review*.

No. 878. Rural and Municipal Highway Mileage, by Governmental Control: 1940 to 1970

[**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	1940	1950	1955	1960	1965	1966	1967	1968	1969	1970
Total mileage	(NA)	3,313	3,418	3,546	3,690	3,698	3,705	3,684	3,710	3,730
Rural mileage	2,990	2,990	3,045	3,116	3,183	3,188	3,184	3,152	3,162	3,169
Under State control	524	581	619	659	687	695	699	702	704	707
Under local control	2,466	2,326	2,333	2,345	2,346	2,333	2,321	2,275	2,275	2,275
Under Federal control		73	93	112	150	160	164	175	183	187
Municipal mileage	(NA)	323	373	430	507	510	521	532	548	561
Under State control	27	36	42	50	65	66	68	69	72	74
Under local control	(NA)	287	331	380	442	444	453	463	476	487

NA Not available.

No. 879. Highway Mileage of Rural Roads: 1940 to 1970

[**In thousands.** As of December 31. Prior to 1960, excludes Alaska and Hawaii. For definition of rural roads, see headnote, table 878. See *Historical Statistics, Colonial Times to 1957*, series Q 247-250, for similar but not exactly comparable data]

TYPE AND CONTROL	1940	1950	1960	1965	1966	1967	1968	1969	1970
All rural roads	2,990	2,990	3,116	3,183	3,188	3,184	3,152	3,162	3,169
Primary State highways	329	363	403	414	418	424	425	406	408
Secondary State highways	81	88	105	112	114	112	113	121	121
County roads under State control	114	122	136	137	138	138	139	152	152
County and local roads [1]	2,466	2,417	2,472	2,520	2,518	2,510	2,475	2,483	2,488
Surfaced rural roads	1,340	1,679	2,165	2,302	2,321	2,336	2,362	2,391	2,411
Primary State highways	302	351	399	410	414	420	421	403	405
Secondary State highways	65	73	100	108	110	108	109	117	118
County roads under State control	55	83	111	118	120	120	122	135	135
County and local roads [1]	918	1,172	1,555	1,666	1,677	1,688	1,710	1,736	1,753

[1] Includes mileage in national and State parks, forests, reservations, etc., not included as part of State or local systems.

Source of tables 878 and 879: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 880. Mileage and Cost of Designated Federal-Aid Highway Systems: 1930 to 1971

[Prior to 1960, excludes Alaska; includes Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series Q 261-264]

YEAR	MILES OF HIGHWAY (1,000)		COST [3] (mil. dol.)			YEAR	MILES OF HIGHWAY (1,000)		COST [3] (mil. dol.)		
	Total existent [1]	Completed during year [2]	Total	Federal funds	State funds		Total existent [1]	Completed during year [2]	Total	Federal funds	State funds
1930	193	10	237	100	137	1964	901	19	4,560	3,385	1,175
1935	214	13	242	218	24	1965	909	17	4,569	3,430	1,139
1940	234	12	269	150	119	1966	911	16	5,362	4,151	1,211
1945	233	3	101	76	25	1967	911	14	5,178	4,039	1,139
1950	641	20	753	390	364	1968	911	12	4,132	3,167	965
1955	742	23	1,287	666	621	1969	915	11	4,826	3,706	1,120
1960	867	21	3,264	2,273	992	1970	919	11	4,625	3,515	1,110
1963	892	20	3,790	2,767	1,023	1971	(NA)	11	4,788	3,623	1,165

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: U.S. Federal Highway Administration, *Highway Statistics*, annual, and other releases.

No. 881. Municipal and Rural Highway Mileage—States: 1970

[As of December 31. For definition of municipal and rural roads, see headnote, table 878. 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	**3,730,082**	**560,670**	**3,169,412**	**2,411,072**	**758,340**	**707,002**	**2,274,714**	**187,696**
Alabama	78,872	11,527	67,345	61,439	5,906	19,828	47,242	275
Alaska	7,272	774	6,498	3,170	3,328	4,399	1,511	588
Arizona	42,669	5,980	36,689	15,882	20,807	5,429	18,054	13,206
Arkansas	78,850	8,776	70,074	51,748	18,326	12,990	55,136	1,948
California	164,136	44,966	119,170	77,097	42,073	13,871	71,190	34,109
Colorado	82,315	7,311	75,004	43,673	31,331	8,314	66,639	51
Connecticut	18,407	13,026	5,381	5,299	82	1,514	3,867	-
Delaware	4,892	1,485	3,407	3,397	10	3,407	-	-
Dist. of Columbia	1,086	1,086	(X)	(X)	(X)	(X)	(X)	(X)
Florida	89,499	20,559	68,940	44,189	24,751	16,937	50,951	1,052
Georgia	99,995	14,883	85,112	56,036	29,076	15,456	68,545	1,111
Hawaii	3,529	988	2,541	2,354	187	807	1,643	91
Idaho	56,049	2,927	53,122	27,901	25,221	4,750	26,382	21,990
Illinois	129,942	27,428	102,514	96,069	6,445	13,272	89,242	-
Indiana	91,011	12,822	78,189	74,117	4,072	10,276	67,913	-
Iowa	112,119	12,884	99,235	92,815	6,420	8,980	90,228	27
Kansas	133,987	10,918	123,069	87,851	35,218	9,978	113,091	-
Kentucky	69,071	5,683	63,388	55,133	8,255	23,859	39,093	436
Louisiana	52,845	10,787	42,058	37,749	4,309	14,200	27,572	286
Maine	21,356	2,401	18,955	17,371	1,584	10,955	7,838	162
Maryland	26,309	4,131	22,178	22,121	57	4,940	17,093	145
Massachusetts	29,074	21,647	7,427	7,015	412	1,210	6,168	49
Michigan	114,729	19,939	94,790	77,472	17,318	7,971	86,817	2
Minnesota	127,742	17,166	110,576	98,863	11,713	11,514	97,212	1,850
Mississippi	66,782	6,441	60,341	57,858	2,483	9,715	50,096	530
Missouri	115,261	15,236	100,025	92,931	7,094	30,006	69,345	674
Montana	78,276	2,344	75,932	39,259	36,673	11,834	53,593	10,505
Nebraska	100,445	6,591	93,854	69,816	24,038	9,523	83,797	534
Nevada	49,704	1,911	47,793	14,619	33,174	6,141	41,651	1
New Hampshire	14,823	4,766	10,057	7,925	2,132	3,044	6,893	120
New Jersey	32,059	17,034	15,025	13,372	1,653	1,712	13,308	5
New Mexico	67,326	4,605	62,721	16,355	46,366	11,691	45,484	5,546
New York	105,753	23,032	82,721	78,795	3,926	14,417	68,269	35
North Carolina	86,019	13,868	72,151	65,271	6,880	70,355	-	1,796
North Dakota	106,897	3,111	103,786	66,412	37,374	6,557	95,939	1,290
Ohio	108,926	23,402	85,524	83,929	1,595	16,867	68,657	-
Oklahoma	107,870	13,784	94,086	66,936	27,150	11,506	82,550	30
Oregon	95,063	6,249	88,814	53,932	34,882	9,019	35,351	44,444
Pennsylvania	115,167	23,874	91,293	73,414	17,879	44,146	46,425	722
Rhode Island	5,342	4,340	1,002	936	66	481	521	-
South Carolina	59,726	6,769	52,957	34,112	18,845	31,312	21,188	457
South Dakota	84,184	2,975	81,209	56,586	24,623	8,663	70,879	1,667
Tennessee	78,666	10,316	68,350	66,553	1,797	8,247	58,900	1,203
Texas	245,532	47,207	198,325	136,275	62,050	60,855	136,478	992
Utah	40,440	4,392	36,048	18,710	17,338	4,765	21,632	9,651
Vermont	14,464	978	13,486	11,528	1,958	2,534	10,757	195
Virginia	61,136	8,483	52,653	51,452	1,201	49,726	829	2,098
Washington	75,098	9,950	65,148	52,673	12,475	11,135	39,463	14,550
West Virginia	35,499	3,580	31,919	23,062	8,857	31,332	-	587
Wisconsin	103,232	14,056	89,176	83,329	5,847	10,764	78,338	74
Wyoming	40,636	1,282	39,354	16,271	23,083	5,798	20,944	12,612

- Represents zero. X Not applicable.

[1] Includes 23,059 miles of State park, forest, institutional, and other roads, and 2,981 miles of toll facilities that are not a part of the State or local highway system. Also includes mileage of county roads under State control in all counties of Delaware, North Carolina, and West Virginia; 10 counties in Alabama; all but 2 counties in Virginia; some county mileage in Kentucky and Nevada; farm-to-market mileage in Louisiana; and the State-aid system in Maine.

[2] Mileage in Federal parks, forests, and reservations that are not a part of the State highway system.

Source: U.S. Federal Highway Administration, *Highway Statistics 1970*, annual.

No. 882. Federal-Aid Payments to State and Local Governments for Highway Construction—States and Puerto Rico: 1960 to 1971

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

STATE OR OTHER AREA	1960	1965	1969	1970	1971
Total	2,942	4,018	[1] 4,274	[1] 4,524	[1] 4,802
U.S.	2,935	4,011	4,268	4,520	4,783
Ala.	51	91	76	82	104
Alaska	16	53	42	40	62
Ariz.	31	66	57	68	64
Ark.	32	39	43	43	30
Calif.	172	324	307	503	495
Colo.	36	61	68	57	84
Conn.	29	48	60	65	58
Del.	8	17	10	10	9
D.C.	16	26	32	32	36
Fla.	75	88	72	69	94
Ga.	61	81	76	64	86
Hawaii	4	10	29	33	30
Idaho	26	40	32	37	34
Ill.	200	209	230	185	224
Ind.	74	93	142	100	104
Iowa	68	53	52	63	71
Kans.	51	51	49	50	52
Ky.	66	60	127	96	83
La.	70	103	106	110	100
Maine	20	24	19	21	33
Md.	27	50	52	66	70
Mass.	67	78	107	94	79
Mich.	96	133	153	160	159
Minn.	65	105	96	108	99
Miss.	36	58	45	57	69
Mo.	76	114	84	106	107
Mont.	31	59	53	62	78
Nebr.	27	37	30	38	36
Nev.	10	42	27	35	30
N.H.	20	16	20	21	25
N.J.	53	65	119	110	130
N. Mex.	26	48	48	55	55
N.Y.	217	198	253	256	259
N.C.	59	51	59	62	78
N. Dak.	33	31	21	24	37
Ohio	159	186	249	243	204
Okla.	33	58	50	56	59
Oreg.	54	77	55	70	98
Pa.	117	142	243	238	216
R.I.	13	25	21	28	15
S.C.	47	35	37	35	45
S. Dak.	26	45	33	39	34
Tenn.	67	108	98	102	115
Tex.	198	216	197	227	262
Utah	34	61	53	71	58
Vt.	17	25	34	28	34
Va.	53	163	132	112	148
Wash.	44	75	83	93	96
W. Va.	47	56	96	116	153
Wis.	61	54	42	42	55
Wyo.	26	48	43	38	34
Undist. to States, etc.	[2] 8	17	–	–	–
P.R.	7	7	6	4	9

– Represents zero.

[1] Includes following amounts for 1969, 1970, and 1971, respectively, in millions of dollars; Appalachian highways, 112, 129, and 144; highway beautification, 15, 8, and 7; landscaping and scenic enhancement, 5, 3, and 2; and highway safety, 18, 48, and 66. [2] Deduct.

Source: U.S. Dept. of the Treasury, 1960 and 1965, *Annual Report of the Secretary of the Treasury on the State of the Finances;* thereafter, *Federal Aid to States.*

No. 883. Public Highway Debt—Long-Term Highway Obligations of State and Local Governments: 1950 to 1972

[**In millions of dollars.** State data are for calendar years; local data are for varying fiscal years. 1950 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	1965	1967	1968	1969	1970	1971 (prel.)	1972 est.
Total debt issued [1]	652	1,174	1,206	1,070	1,633	1,991	2,022	1,890	3,229	2,099
State	400	646	680	586	1,012	1,377	1,351	1,305	2,629	1,484
County and local rural	90	205	190	169	194	241	241	200	200	200
Municipal	162	323	336	315	427	373	430	385	400	415
Total debt redeemed [2]	322	421	616	855	965	1,071	1,122	1,271	1,348	1,485
State	143	191	300	459	540	657	705	782	834	946
County and local rural	83	89	96	123	136	136	137	150	155	160
Municipal	96	141	220	273	289	278	280	339	359	379
Total debt outstanding	4,436	9,658	13,166	15,316	16,749	17,672	18,572	19,008	20,889	21,503
State	2,096	6,619	9,384	10,905	12,014	12,734	13,380	13,903	15,698	16,236
County and local rural	872	1,027	1,280	1,363	1,450	1,554	1,658	1,629	1,674	1,714
Municipal	1,468	2,012	2,502	3,048	3,285	3,384	3,534	3,476	3,517	3,553

[1] Excludes refunding issues. [2] Excludes redemptions by refunding.

Source: U.S. Federal Highway Administration, releases.

No. 884. Designated Federal-Aid Highway Systems, 1970, and Projects, 1971—States and Puerto Rico

[Systems as of December 31, and projects as of June 30. Projects comprise those financed from the Federal-aid primary, secondary, urban, rural, TOPICS (urban traffic operations program to increase capacity and safety), and interstate funds. See text, pp. 533 and 534]

State or other area	Systems (miles), 1970				Projects, 1971 [1]					
	Primary			Secondary	Completed during fiscal year			Under construction		
	Total	National system of interstate highways			Miles	Total cost (mil. dol.)	Federal funds (mil. dol.)	Miles	Total cost (mil. dol.)	Federal funds (mil. dol.)
		Total	Open to traffic							
Total	**271,517**	**42,558**	**31,543**	**647,493**	**11,245**	**5,010**	**3,818**	**19,367**	**15,260**	**11,773**
United States	**270,960**	**42,558**	**31,543**	**646,398**	**11,244**	**5,004**	**3,815**	**19,322**	**15,210**	**11,749**
Alabama	6,594	898	601	15,952	167	61	46	326	441	362
Alaska	3,329	–	–	2,190	196	37	34	304	91	85
Arizona	3,633	1,172	871	3,987	175	57	49	104	125	113
Arkansas	4,117	526	453	14,377	137	35	23	464	160	109
California	9,837	2,288	1,751	15,408	390	649	539	465	1,118	937
Colorado	4,612	975	720	4,302	193	68	54	252	183	136
Connecticut	1,320	347	270	1,256	14	61	47	16	209	167
Delaware	696	41	29	1,470	24	9	5	39	103	80
Dist. of Columbia	168	30	10	127	8	28	22	9	199	163
Florida	5,928	1,397	847	15,072	315	100	65	279	236	185
Georgia	9,121	1,148	730	20,394	255	88	63	677	381	284
Hawaii	602	52	19	516	19	56	47	31	161	127
Idaho	3,342	612	491	5,636	91	23	19	411	115	97
Illinois	13,874	1,724	1,230	15,074	440	189	141	851	552	415
Indiana	5,973	1,134	875	19,014	102	110	89	207	261	201
Iowa	10,361	781	547	33,303	593	75	53	1,447	177	123
Kansas	7,844	822	694	24,467	592	97	64	649	134	94
Kentucky	4,658	738	583	15,129	54	118	91	125	218	160
Louisiana	3,494	718	374	8,828	67	73	60	271	526	432
Maine	1,968	312	276	2,552	69	22	14	66	64	46
Maryland	2,450	354	304	7,777	32	64	51	162	269	214
Massachusetts	2,367	470	413	2,339	37	74	51	89	396	298
Michigan	6,959	1,175	948	27,154	257	204	149	676	642	512
Minnesota	8,235	914	600	31,018	824	127	95	1,147	424	324
Mississippi	6,260	678	521	16,575	299	64	45	621	215	160
Missouri	8,569	1,147	856	23,542	199	117	91	387	420	307
Montana	6,191	1,188	700	5,898	218	55	45	524	205	175
Nebraska	5,926	481	401	17,890	336	46	29	599	100	69
Nevada	2,295	535	406	3,781	82	31	29	127	105	99
New Hampshire	1,251	215	177	1,753	39	31	21	38	53	38
New Jersey	2,349	414	201	2,242	31	127	98	116	652	486
New Mexico	4,029	999	825	5,981	192	63	53	101	85	73
New York	11,896	1,376	1,138	19,366	156	322	219	167	804	540
North Carolina	4,765	839	538	29,406	131	68	46	358	328	231
North Dakota	4,715	571	433	13,763	823	41	30	1,255	78	57
Ohio	8,473	1,534	1,345	21,781	141	279	220	240	566	429
Oklahoma	7,886	809	704	14,939	325	76	53	258	195	146
Oregon	4,084	735	643	8,526	44	66	56	169	300	244
Pennsylvania	8,599	1,575	1,361	13,828	123	169	124	415	1,141	854
Rhode Island	480	100	61	584	26	22	17	10	53	38
South Carolina	5,397	757	507	21,118	186	38	31	977	145	98
South Dakota	5,933	679	477	13,498	453	41	31	527	71	53
Tennessee	6,883	1,046	744	11,955	358	65	46	484	367	299
Texas	17,820	3,177	2,320	41,536	868	306	226	1,318	626	458
Utah	2,518	935	468	4,081	191	54	47	262	148	136
Vermont	1,588	320	213	1,956	101	46	38	70	57	44
Virginia	4,647	1,072	791	19,953	199	130	101	291	419	347
Washington	3,923	763	560	12,350	173	124	104	226	230	181
West Virginia	2,589	511	294	10,761	43	88	68	135	470	393
Wisconsin	6,530	560	456	19,236	220	62	36	373	144	92
Wyoming	3,882	914	766	2,757	236	51	44	207	49	42
Puerto Rico	557	–	–	1,095	4	6	3	47	50	24

– 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, $88 million total cost, $65 million Federal funds; underway, $265 million total cost, $198 million Federal funds.)

Source: U.S. Federal Highway Administration, *Federal Aid and Allied Highway Programs*, 1971.

No. 885. Disbursements of State Highway Funds—Total, 1950 to 1970, and by Purpose, 1970, States

[**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 purposes. Includes transactions by State toll authorities. Beginning 1965, excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1957*, series Q 273-278]

STATE	1950	1955	1960	1965	1969	1970				
						Total	For State-administered highways			For county and local roads and streets [3]
							Capital outlay, roads and bridges [1]	Maintenance and traffic services [1]	Other [2]	
United States [4]	**3,562**	**6,034**	**8,957**	**11,465**	**14,919**	**16,535**	**8,866**	**1,929**	**2,824**	**2,916**
Alabama	49	87	174	228	267	290	147	34	40	69
Alaska	(NA)	(NA)	19	71	75	99	64	16	18	1
Arizona	20	33	72	106	132	158	94	15	17	32
Arkansas	46	55	95	119	153	145	74	20	21	30
California	268	558	786	1,110	1,376	1,527	857	93	205	372
Colorado	38	56	91	129	143	177	101	19	20	37
Connecticut	38	79	161	216	256	293	116	37	126	14
Delaware	32	26	36	87	87	73	31	10	30	2
Dist. of Columbia	11	24	48	42	61	68	–	–	16	52
Florida	93	152	316	316	349	442	281	47	89	25
Georgia	74	109	167	208	254	278	143	30	44	61
Hawaii	(NA)	(NA)	23	35	63	74	49	6	8	11
Idaho	19	27	44	66	75	81	43	10	9	19
Illinois	113	229	475	471	676	889	394	78	104	313
Indiana	69	200	241	286	340	380	152	46	61	121
Iowa	79	109	169	193	249	291	130	28	20	113
Kansas	50	110	109	134	153	177	82	32	30	33
Kentucky	67	102	138	223	356	326	170	53	81	22
Louisiana	71	115	204	240	288	319	182	33	61	43
Maine	24	65	62	80	88	98	47	25	23	3
Maryland	84	138	166	217	331	388	158	26	105	99
Massachusetts	98	203	237	284	347	368	170	42	124	32
Michigan	106	249	418	427	551	570	221	42	94	213
Minnesota	65	101	167	230	302	297	164	26	28	79
Mississippi	42	75	110	160	172	205	105	13	29	58
Missouri	53	105	165	241	316	337	218	57	38	24
Montana	22	30	54	86	100	121	92	10	9	10
Nebraska	36	59	95	97	110	154	78	13	16	47
Nevada	9	15	22	58	59	59	37	9	8	5
New Hampshire	14	30	50	51	67	75	37	17	17	4
New Jersey	188	303	221	291	520	602	331	55	188	28
New Mexico	26	39	64	101	94	116	75	20	12	9
New York	304	471	652	752	1,179	1,237	695	155	242	145
North Carolina	136	141	179	219	337	396	210	94	80	12
North Dakota	22	28	50	51	56	75	41	6	6	22
Ohio	147	383	523	661	842	832	411	72	165	184
Oklahoma	73	113	134	179	222	237	117	24	35	61
Oregon	50	79	113	185	187	211	109	22	24	56
Pennsylvania	279	350	423	667	1,035	1,074	638	198	167	71
Rhode Island	14	30	42	62	68	54	29	8	17	(Z)
South Carolina	46	57	109	114	125	157	92	34	19	12
South Dakota	20	34	57	68	73	81	48	8	9	16
Tennessee	79	108	187	238	286	304	155	26	37	86
Texas	178	282	493	513	664	730	510	98	82	40
Utah	15	23	49	89	107	114	87	10	11	6
Vermont	10	17	43	53	70	80	47	11	15	7
Virginia	76	112	211	353	385	447	276	78	73	20
Washington	78	127	171	235	329	372	175	39	62	96
West Virginia	51	64	110	169	230	317	219	42	56	(Z)
Wisconsin	68	109	171	189	248	268	116	34	27	91
Wyoming	14	22	44	65	66	72	48	8	6	10

– Represents zero. NA Not available. Z Less than $500,000.

[1] Includes some administration, engineering, and miscellaneous disbursements. [2] Comprises following disbursements, in millions of dollars: Administration and miscellaneous, 726; highway law enforcement, 793; bond interest, 553; and bond redemption, 752. [3] Expenditures on county roads under State control in Ala. (10 counties), Del., N.C., Va. (all except 2 counties), and W. Va. included with those for State-administered highways. [4] Prior to 1960, excludes Alaska and Hawaii.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 886. Federal and State Motor-Fuel Tax—States: 1950 to 1971

[**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	1950	1960	1965	1970	1971 [1]	STATE	1950	1960	1965	1970	1971 [1]
Federal tax	1.5	4	4	4	4	Mississippi	6-7	[4] 7	[4] 7	[4] 5 8	[4] 8
State average [2]	4.65	5.94	6.41	7.01	7.09	Missouri	2	3	5	5	5
						Montana	6	[4] 6	[4] 6	[4] 7	[4] 7
Alabama	6	7	7	7	[4] 7	Nebraska	6-5	7	7-7.5	8.5	8.5
Alaska	(3)	5-7	8	8	8	Nevada	4.5	6	6	6	6
Arizona	5	5	6-7	7	7	New Hampshire	4	7	7	7	7-9
Arkansas	6.5	6.5	[4] 6.5-7.5	[4] 7.5	[4] 7.5	New Jersey	3	5	6	7	[5] 7
California	4.5	[4] 6	7-8-7	[5] 7	[5] 7	New Mexico	7	6	6	7	7
Colorado	6	6	6-7	7	7	New York	4	[4] 6	[4] 6	[4] 7	[4] 7
Connecticut	4	6	6	8	8-10	North Carolina	7	7	7	9	9
Delaware	5	5	6-7	7	7-8	North Dakota	4	6	6	7	7
Dist. of Columbia	4	6	6	7	[5] 7	Ohio	4	7	7	7	7
Florida	7	7	7	7	7-8	Oklahoma	6.5	6.5	6.5	6.5	6.5
Georgia	7	6.5	6.5	6.5	6.5-7.5	Oregon	6	6	6	7	7
Hawaii	4	[6] 5	[6] 5	[6] 5	[6] 5 5	Pennsylvania	5	5	7	8	8
Idaho	6	6	6	7	7	Rhode Island	4	6-7	7	8	8
Illinois	3	5	5	7.5	7.5	South Carolina	6-7	7	7	7	7
Indiana	4	6	6	8	8	South Dakota	4	[4] 6	[4] 6	[5] 7	[5] 7
Iowa	4	[4] 6	[4] 6-7	[4] 7	[4] 7	Tennessee	7	7	[4] 7	[4] 7	[4] 7
Kansas	5	[4] 5	[4] 5	[4] 5 7	[4] 5 7	Texas	4	[4] 5	[4] 5	[4] 5	[4] 5
Kentucky	7	[7] 7	[7] 7	[7] 7	[7] 7	Utah	4	6	6	7	7
Louisiana	9	7	7	8	8	Vermont	5	6.5	6.5	8	[5] 8-9
Maine	6	7	7	8	8-9	Virginia	6	[7] 6-7	[7] 7	[7] 7	[7] 7
Maryland	5	6	7	7	7	Washington	6.5	6.5	7.5	9	9
Massachusetts	3	5.5	5.5-6.5	6.5	6.5-7.5	West Virginia	5	7	7	8.5	8.5
Michigan	3	6	6	7	7	Wisconsin	4	6	6	7	7
Minnesota	5	5	6	7	7	Wyoming	4	[4] 5	[4] 5	[8] 7	[5 8] 7

[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] State tax rate on liquefied petroleum gas per gallon is 6 cents in California and South Dakota, 4 cents in Hawaii, 8 cents in Mississippi, 5 cents in Kansas, and 3½ cents in New Jersey.
[6] State tax rate per gallon is 8 cents in Hawaii County and 5 cents in other counties.
[7] Trucks or combinations with more than 2 axles pay motor-fuel tax rate of 9 cents per gallon in Kentucky and Virginia. (Prior to July 1960, the tax in Virginia was 8 cents.)
[8] Diesel fuel and liquefied petroleum gas are taxed at 1 mill per ton-mile.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 887. Motor-Vehicle Travel, by Type of Vehicle: 1940 to 1970

[***In billions of vehicle-miles, except averages.*** Prior to 1960, excludes Alaska and Hawaii. Estimates based on automatic traffic recorder data. 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	1965	1967	1968	1969	1970 est.
Total travel	302.2	458.2	603.4	718.8	887.8	961.6	1,015.6	1,070.6	1,120.7
TYPE OF VEHICLE									
Passenger vehicles	252.3	367.7	492.0	592.4	716.4	779.1	819.0	863.9	906.0
Rural	122.0	183.2	265.7	305.5	336.0	361.9	378.1	395.6	409.3
Urban	130.3	184.5	226.4	286.9	380.4	417.2	440.9	468.3	496.8
Passenger cars [1]	249.6	363.6	487.5	588.1	711.6	774.2	814.0	858.9	901.0
Rural	120.5	181.1	263.1	303.3	333.4	359.2	375.3	392.8	406.4
Urban	129.1	182.5	224.5	284.8	378.2	415.0	438.7	466.0	494.5
Buses	2.7	4.1	4.5	4.4	4.8	4.9	5.0	5.0	5.0
Rural	1.4	2.1	2.6	2.3	2.6	2.7	2.7	2.8	2.8
Urban	1.2	2.0	1.9	2.1	2.2	2.2	2.2	2.3	2.2
Trucks and combinations	49.9	90.6	111.4	126.4	171.4	182.5	196.7	206.7	214.7
Rural	30.2	56.8	70.5	81.7	102.8	114.2	124.3	130.4	134.1
Urban	19.7	33.8	40.9	44.7	68.6	68.3	72.4	76.3	80.6
AVERAGE MILES PER VEHICLE									
Passenger vehicles	9,129	9,078	9,400	9,474	9,310	9,420	9,507	9,650	9,798
Passenger cars [1]	9,080	9,020	9,359	9,446	9,286	9,399	9,488	9,633	9,783
Buses	18,580	20,910	17,658	16,004	15,215	14,484	14,122	13,826	13,306
Trucks and combinations	10,626	10,776	10,697	10,583	11,587	11,268	11,571	11,565	11,450

[1] Includes taxicabs and motorcycles.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 888. Motor Vehicles—Summary Statistics: 1950 to 1971

[Excludes Alaska and Hawaii, except as noted]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971
SALES, EXPORTS, IMPORTS, AND SCRAPPAGE [1]								
Passenger car factory sales ... 1,000	6,666	7,920	6,675	9,306	8,822	8,224	6,457	8,585
4-door sedans ... 1,000	3,247	3,044	2,697	2,744	2,052	1,811	1,486	1,763
2-door sedans, coaches and coupes [2] ... 1,000	2,794	1,691	1,094	793	499	603	709	1,144
2-door and 4-door "hard-tops" ... 1,000	267	2,169	1,517	4,251	5,053	4,782	3,596	4,602
Convertibles (except "hard-top") ... 1,000	208	240	305	509	277	202	92	88
Station wagons [3] ... 1,000	142	759	1,059	1,001	938	821	662	984
Chassis ... 1,000	9	18	3	7	3	4	2	4
Truck and bus factory sales ... 1,000	1,337	1,249	1,194	1,752	1,896	1,923	1,692	2,053
Passenger cars (new), exported [4] ... 1,000	153	254	145	205	415	417	359	463
Passenger cars (new), imported ... 1,000	21	57	444	559	1,620	1,847	2,013	2,587
Exports ... mil. dol	794	1,367	1,411	2,198	3,579	4,069	3,871	4,590
Passenger cars (new) ... mil. dol	179	380	235	393	972	1,011	822	1,170
Trucks and buses (new) ... mil. dol	217	340	382	328	425	568	636	649
Rubber tires and tubes ... mil. dol	47	82	77	55	54	53	40	41
Parts and access. (incl. used veh.) ... mil. dol	350	565	717	1,421	2,128	2,437	2,373	2,730
Imports of new passenger cars ... mil. dol	21	69	513	640	2,782	3,355	3,719	5,134
Vehicles scrapped [5 6] ... 1,000	3,234	4,392	4,783	7,070	7,283	6,841	(NA)	(NA)
Passenger cars [5 6] ... 1,000	2,598	3,773	4,200	6,163	6,266	5,894	(NA)	(NA)
Trucks and buses [5 6] ... 1,000	636	619	583	907	1,017	947	(NA)	(NA)
PARTS AND CHEMICAL SHIPMENTS								
Tires, passenger car,[7] total ... mil	84.4	93.7	105.7	148.5	173.6	177.1	168.6	177.2
Original equipment ... mil	36.7	42.6	36.3	51.4	49.9	46.2	37.5	40.6
Replacement ... mil	47.1	50.2	68.5	94.9	121.1	129.1	129.6	135.0
Export ... mil	0.6	1.0	0.9	2.2	2.7	1.9	1.5	1.6
Tires, truck and bus,[7] total ... mil	15.2	14.8	13.9	20.4	25.3	27.4	25.7	29.1
Original equipment ... mil	4.7	4.8	3.9	6.9	8.5	9.5	8.6	10.3
Replacement ... mil	9.7	9.1	9.2	12.8	16.3	17.3	16.7	18.4
Export ... mil	0.8	0.9	0.8	0.7	0.5	0.6	0.4	0.4
Replacement automobile batteries [8] ... mil	24.4	25.8	26.3	29.5	33.8	35.5	37.9	[9] 39.4
Sealed-beam lamps [10] ... mil	35.8	44.9	67.4	[6] 85.6	[6] 88.5	[6] 83.0	[6] 76.2	[6] 82.6
Other automotive lamps [10] ... mil	251.2	331.4	323.4	[6] 522.6	[6] 598.4	[6] 617.4	[6] 525.9	[6] 573.6
Antifreeze [11] ... mil	(NA)	110.0	120.9	143.1	153.6	164.2	178.1	(NA)
Heavy duty brake fluid [11] ... mil. gal.[12]	(NA)	5.7	9.4	8.0	10.3	9.9	10.6	(NA)
SPECIAL MOTOR-VEHICLE TAXES [6 13]								
Federal excise [14] ... bil. dol	1.5	2.7	4.4	5.7	6.1	6.7	6.8	7.1
State motor veh. carrier receipts [15] ... bil. dol	.9	1.5	1.9	2.5	3.2	3.5	3.8	[5] 4.0
State motor fuel, net [15] ... bil. dol	1.7	2.5	3.4	4.5	5.5	6.0	6.5	[5] 6.9
MOTOR VEHICLE REGISTRATION [16]								
World ... mil	70.4	95.9	126.9	178.0	216.6	231.5	248.9	(NA)
United States [15] ... mil	49.2	62.7	73.9	90.4	100.9	105.4	108.4	[5] 112.0
Other North and Central America ... mil	3.2	4.9	6.8	8.2	10.2	10.8	11.3	(NA)
South America ... mil	1.3	1.8	3.0	5.1	6.6	7.1	8.1	(NA)
Europe ... mil	12.5	19.6	33.8	56.5	72.2	77.3	86.8	(NA)
Africa ... mil	1.2	1.8	2.5	3.4	4.0	4.3	4.5	(NA)
Asia ... mil	1.2	2.2	3.6	9.7	17.2	20.6	24.8	(NA)
Oceania ... mil	1.8	2.8	3.5	4.7	5.4	5.8	5.0	(NA)

NA Not available.

[1] Source: Exports and imports from U.S. Dept. of Commerce. [2] Includes business coupes. [3] Excludes station wagons on commercial vehicle chassis. [4] Includes export factory sales. [5] Estimated. [6] Includes Alaska and Hawaii. [7] Source: The Rubber Manufacturers Association, Inc., New York, N.Y. Beginning 1965, figures for "Tires, passenger car" include motorcycle tires. [8] Source: Battery Council International, Burlingame, Calif. [9] Preliminary. [10] Source: U.S. Bureau of the Census.

[11] Source: Chemical Specialties Manufacturers Association, Inc., New York, N.Y.

[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: U.S. Dept. of the Treasury and U.S. Dept. of Transportation. Includes amounts collected on use of vehicles over 26,000 pounds as follows, in millions of dollars: 1960, 45; 1965, 103; 1968, 116; 1969, 134; 1970, 141; and 1971, 152. [15] Source: U.S. Dept. of Transportation.

[16] Includes cars, trucks, and buses. Source: Through 1968, U.S. Dept. of State and overseas sources; thereafter U.S. Bureau of Domestic Commerce, *World Motor Vehicles Production & Registration, 1970-71*.

Source: Automobile Manufacturers Association, Detroit, Mich., *Automobile Facts and Figures*. Includes data compiled from sources cited in footnotes.

No. 889. Motor Vehicles—Factory Sales and Registrations: 1910 to 1971

[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 [5] (1,000)			
	Number (1,000)			Wholesale value [3]							
	Total cars, trucks, buses	Passenger cars	Trucks and buses [2]	Passenger cars		Trucks and buses [2]		Total cars, trucks, buses	Passenger cars and taxis [6]	Trucks and buses [6]	Motorcycles
				Total (mil. dol.)	Average [4]	Total (mil. dol.)	Average [4]				
1910	187	181	6	215	$1,188	10	$1,667	[7] 470	458	10	–
1920	2,227	1,906	322	1,809	949	423	1,314	[7] 9,251	8,131	1,108	239
1930	3,363	2,787	575	1,644	590	391	680	[7] 26,794	23,035	3,715	108
1940	4,472	3,717	755	2,371	638	568	752	[7] 32,525	27,466	4,987	136
1950	8,003	6,666	1,337	8,468	1,270	1,708	1,277	[7] 49,300	40,339	8,823	454
1960	7,869	6,675	1,194	12,164	1,822	2,351	1,969	73,869	61,682	12,187	570
1965	11,057	9,306	1,752	18,380	1,975	3,734	2,131	90,358	75,258	15,100	1,382
1966	10,329	8,598	1,731	17,554	2,042	3,953	2,284	94,193	78,354	15,839	1,753
1967	8,976	7,437	1,539	15,653	2,105	3,592	2,334	96,931	80,414	16,517	1,953
1968	10,718	8,822	1,896	19,352	2,194	4,670	2,463	101,039	83,693	17,346	2,101
1969	10,147	8,224	1,923	18,751	2,280	4,937	2,567	105,097	86,862	18,235	2,316
1970	8,239	6,547	1,692	14,630	2,235	4,820	2,848	108,407	89,280	19,127	2,781
1971	10,638	8,585	2,053	21,300	2,482	5,800	2,825	[8] 112,010	[8] 92,082	[8] 19,928	[8] 3,293

– Represents zero. [1] Beginning 1965, excludes tactical 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. Excludes vehicles owned by military services. [6] Prior to 1930, buses included with passenger cars. [7] Total includes, components exclude, Hawaii. [8] Estimate.

Source: Factory sales—Automobile Manufacturers Association, Detroit, Mich., *Automobile Facts and Figures*, annual; registrations—U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 890. Motor Vehicles—Establishments, Sales, Payroll, and Employment for Selected Kinds of Business: 1963 and 1967

Kind of business	Establishments [1] (1,000)		Sales or receipts [2] (mil. dol.)		Annual payroll [3] (mil. dol.)		Paid employees [4] (1,000)	
	1963	1967	1963	1967	1963	1967	1963	1967
RETAIL TRADE								
Automotive dealers	**98.5**	**105.5**	**45,376**	**55,631**	**4,111**	**5,257**	**794.2**	**906.6**
Motor vehicle dealers—new and used cars	33.3	62.0	37,375	48,636	3,326	4,232	612.1	696.3
Motor vehicle dealers—used cars only	28.0		3,087		184	185	44.3	38.6
Tire, battery, and accessory dealers	25.9	29.2	3,336	4,236	474	604	110.5	129.6
Misc. automotive dealers	11.3	14.3	1,579	2,760	127	236	27.2	42.2
Gasoline service stations	**211.5**	**216.1**	**17,760**	**22,709**	**1,510**	**1,898**	**519.8**	**575.2**
WHOLESALE TRADE								
Motor vehicles and auto equipment	**29.4**	**31.2**	**36,789**	**46,122**	**1,671**	**2,127**	**295.7**	**341.1**
Automobiles and other motor vehicles	4.6	4.8	25,958	31,330	507	641	79.9	91.9
Automotive equipment	22.7	23.3	8,644	11,614	1,019	1,261	191.2	214.1
Tires and tubes	2.2	3.1	2,187	3,178	146	225	24.6	35.1
SERVICES								
Auto repairs, services, and garages	**139.6**	**139.2**	**5,444**	**[5] 7,028**	**1,135**	**1,468**	**288.0**	**316.2**
Automobile repair shops	114.5	109.9	3,588	4,086	778	943	184.4	187.9
Automobile parking	11.3	10.6	416	484	114	129	34.9	33.5
Car, truck rental and leasing; other serv	13.9	18.7	1,440	2,489	242	396	68.7	95.0
MANUFACTURING								
Motor vehicles and equipment	**2.8**	**2.7**	**12,781**	**13,666**	**5,194**	**5,930**	**694**	**739**
Motor vehicles	2.0	0.2	12,346	7,354	4,947	2,700	650	321
Motor vehicle parts and accessories		1.7		5,712		2,891		365
Truck and bus bodies	0.6	0.6	230	332	133	192	25	30
Truck trailers	0.2	0.2	206	269	113	147	19	23

[1] As of Dec. 31; represents all establishments, except for wholesale trade and manufacturing, which represent only establishments employing one or more workers at any time during the year.
[2] For manufacturing, data represent value added in manufacture.
[3] Comprises salaries, wages, commissions, bonuses, vacation pay, and other remuneration. [4] Workweek ended nearest Nov. 15, 1963, and week including Mar. 12, 1967, except quarterly average for manufacturing.
[5] Data corrected only at level significantly affected; therefore, breakdown will not add to total.

Source: U.S. Bureau of the Census, *Census of Business: 1967*, vols. II, VI, and VIII and *Census of Manufactures: 1967*, MC67(1)-1 and MC67(2)-37A.

No. 891. Motor-Vehicle Registrations, 1950 to 1971, and Drivers Licenses, 1970, 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							Motorcycles (incl. official),[1] 1971	Drivers licenses, 1970		
	1950	1960	1965	1970	1971				Total[2]	Percent	
					Total	Private and commercial				Male drivers	Drivers under 25 years
						Automobiles (incl. taxicabs)	Trucks and buses				
U.S.[3]	49,300	73,869	90,358	108,407	112,922	92,255	18,977	3,343.9	111,543	56.8	(NA)
Ala.	686	1,282	1,663	1,966	2,093	1,650	413	51.9	1,740	57.2	(NA)
Alaska	(NA)	81	109	139	151	100	45	9.6	141	53.9	22.6
Ariz.	271	624	825	1,093	1,185	885	277	42.9	1,124	55.7	27.2
Ark.	477	708	914	1,043	1,075	747	314	23.8	1,058	56.7	21.0
Calif.	4,620	7,799	9,989	11,901	12,324	10,160	1,978	614.6	11,646	55.0	20.9
Colo.	564	924	1,158	1,442	1,548	1,170	351	57.0	1,379	60.7	29.9
Conn.	716	1,107	1,415	1,733	1,791	1,619	149	43.0	1,724	53.6	21.5
Del.	108	192	244	312	317	261	50	6.0	327	54.4	22.0
D.C.	195	206	236	257	260	232	17	4.0	339	61.1	18.2
Fla.	985	2,367	3,037	4,120	4,534	3,899	572	122.0	3,994	56.4	(NA)
Ga.	898	1,512	1,990	2,584	2,753	2,188	530	66.0	2,710	57.3	(NA)
Hawaii	138	231	310	405	426	372	47	10.0	501	60.3	25.5
Idaho	272	375	434	474	509	351	145	32.0	484	58.9	(NA)
Ill.	2,651	3,776	4,437	5,238	5,383	4,646	680	134.2	5,752	56.6	22.2
Ind.	1,435	2,046	2,427	2,815	2,903	2,333	543	88.9	2,699	54.5	23.5
Iowa	1,072	1,325	1,549	1,790	1,842	1,417	392	79.1	1,678	56.0	23.0
Kans.	853	1,163	1,369	1,548	1,599	1,149	425	74.5	1,453	53.3	24.5
Ky.	784	1,198	1,500	1,763	1,860	1,440	396	29.6	1,609	58.5	21.6
La.	707	1,177	1,442	1,742	1,832	1,426	382	34.0	1,782	57.3	(NA)
Maine	276	374	424	515	537	430	100	12.7	513	56.0	20.7
Md.	685	1,155	1,481	1,872	2,003	1,724	257	34.8	2,054	56.9	23.8
Mass.	1,280	1,803	2,104	2,575	2,700	2,421	245	52.7	2,988	54.4	21.5
Mich.	2,433	3,306	3,991	4,569	4,740	4,029	641	194.0	5,127	57.1	23.1
Minn.	1,169	1,592	1,890	2,207	2,293	1,808	454	89.2	2,310	57.1	23.1
Miss.	484	723	921	1,117	1,176	864	294	20.4	1,237	58.9	22.5
Mo.	1,261	1,720	2,085	2,408	2,498	1,944	530	67.8	2,569	54.9	23.2
Mont.	265	373	429	485	511	326	175	30.0	409	55.3	22.4
Nebr.	569	734	849	974	1,033	743	274	38.5	934	54.7	(NA)
Nev.	77	175	266	355	373	275	85	19.3	337	55.8	20.6
N.H.	172	267	331	362	375	312	56	12.7	427	55.7	21.8
N.J.	1,579	2,401	2,980	3,586	3,737	3,337	334	57.4	4,029	55.9	19.3
N. Mex.	238	426	525	637	661	460	186	27.4	577	55.6	(NA)
N.Y.	3,735	5,067	5,939	6,718	6,891	6,130	659	77.7	8,056	58.4	18.9
N.C.	1,056	1,720	2,156	2,826	3,002	2,345	577	60.4	2,743	55.5	25.5
N. Dak.	276	345	396	428	444	276	159	13.3	331	56.2	25.3
Ohio	2,795	4,087	4,935	5,975	6,043	5,328	657	152.1	6,105	60.4	19.7
Okla.	831	1,184	1,438	1,713	1,789	1,261	501	71.2	1,621	54.1	23.3
Oreg.	689	919	1,119	1,369	1,432	1,156	245	69.8	1,304	59.6	16.2
Pa.	3,010	4,287	4,968	5,819	6,011	5,195	751	147.4	6,213	59.0	21.7
R.I.	251	341	406	488	509	449	54	13.2	504	56.6	(NA)
S.C.	579	879	1,094	1,360	1,383	1,114	245	19.1	1,409	57.9	16.8
S. Dak.	290	354	398	426	442	298	133	13.9	411	55.2	26.2
Tenn.	858	1,307	1,655	2,050	2,136	1,696	407	57.7	2,078	55.7	22.9
Tex.	2,968	4,457	5,610	6,693	6,984	5,308	1,567	186.2	6,380	56.4	(NA)
Utah	247	417	525	626	711	509	188	37.8	615	55.8	(NA)
Vt.	121	152	175	229	237	193	40	9.0	253	56.5	(NA)
Va.	918	1,426	1,800	2,263	2,410	1,992	369	41.0	2,345	57.0	22.6
Wash.	924	1,377	1,659	2,102	2,163	1,643	476	74.7	1,920	55.2	22.9
W. Va.	482	601	696	860	826	619	193	47.0	913	59.4	26.8
Wis.	1,201	1,600	1,839	2,188	2,230	1,864	333	60.1	2,460	57.2	24.2
Wyo.	145	207	225	247	257	163	88	12.5	229	58.1	29.6

NA Not available.
[1] Excludes vehicles owned by military services.
[2] Estimated from data reported by States for current and previous years; allowance has been made for deaths, emigration, or revocation by some States.
[3] Incomplete data for some States.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; *Drivers Licenses*, annual; and unpublished data.

No. 892. New Passenger Car Production and Imports: 1963 to 1971

ITEM	1963	1964	1965	1966	1967	1968	1969	1970	1971
Value of production:									
Gross auto product [1] ..... bil. dol.	25.1	25.8	31.8	30.0	28.9	36.3	36.6	30.6	40.6
Gross national product [2] ..... bil. dol.	590.5	632.4	684.9	749.9	793.9	864.2	929.1	974.1	1,046.8
Gross auto product as percent of GNP	4.3	4.1	4.6	4.0	3.6	4.2	3.9	3.1	3.9
Production and imports:									
Total ..... 1,000 units	**8,053**	**8,261**	**9,865**	**9,511**	**8,458**	**10,442**	**10,071**	**8,470**	**11,172**
Domestic production ..... 1,000 units	7,644	7,745	9,306	8,598	7,437	8,822	8,224	6,457	8,585
Imports ..... 1,000 units	409	516	559	913	1,021	1,620	1,847	2,013	2,587
Percent of total	5.1	6.2	5.7	9.6	12.1	15.5	18.3	23.8	23.2

[1] Value of domestically produced cars plus net value added by distribution of new, used, and imported cars.
[2] For definition, see text, p. 309.

Source: U.S. Bureau of the Census and U.S. Bureau of Economic Analysis, unpublished data.

No. 893. Automobiles—Factory Installed Equipment: 1960 to 1971

[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 CARS PRODUCED				
	1960	1965	1969	1970	1971	1960	1965	1969	1970	1971
Automatic transmission	4,306	7,134	7,479	7,213	6,675	71.6	80.7	90.3	91.0	90.2
Manual transmission	1,706	1,709	800	709	728	28.4	19.3	9.7	8.9	9.8
V-8 engine	3,409	6,492	7,359	6,674	5,989	56.7	73.4	88.9	84.2	78.8
6-cylinder engine	2,603	2,350	915	1,247	1,006	43.3	26.6	11.1	15.7	13.2
Power brakes	1,948	2,856	4,512	4,437	4,485	32.4	32.3	54.5	56.0	59.3
Power steering	2,357	5,270	6,987	6,433	6,026	39.2	59.6	84.4	81.2	79.7
Power windows [1]	376	1,261	1,438	1,319	1,097	6.3	14.3	17.4	16.7	14.5
Air conditioning	414	2,061	4,471	4,825	4,612	6.9	23.3	54.0	60.9	61.0
Tinted glass [2]	1,668	4,572	5,774	5,507	5,246	27.7	51.7	69.7	69.5	69.4

[1] Includes power operated station wagon rear windows. [2] Covers windshield and other glass.

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

No. 894. Automobile Ownership, Age, and Financing: 1950 to 1971

[Excludes Alaska and Hawaii. For definition of family unit, see headnote, table 529]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971
Total number of families in U.S. [1] ..... millions	45.2	49.1	53.4	58.4	61.2	62.1	63.7	65.1
Families owning automobiles ..... percent	59	70	77	79	79	79	82	83
Owning 1 automobile ..... percent	52	60	62	55	53	52	54	55
Owning 2 or more automobiles ..... percent	7	10	15	24	26	27	28	28
Automobiles owned, by age: [2]								
Less than 2 years old ..... percent	17	12	14	16	14	15	16	11
2 and 3 years old ..... percent	19	22	20	21	24	22	21	25
4–7 years old ..... percent	6	43	41	33	36	41	42	40
8 years old and over ..... percent	58	23	25	30	26	22	21	24
Total automobiles purchased [3] ..... millions	(NA)	13.6	14.1	18.3	19.2	20.5	19.8	18.3
New cars ..... millions		4.4	5.2	7.2	6.9	7.5	8.3	5.9
Average price paid ..... dollars		2,730	3,140	3,140	3,290	3,510	3,690	[4] 3,690
Used cars ..... millions		9.2	9.1	11.1	12.3	13.0	11.5	12.4
Average price paid, gross ..... dollars		780	980	920	1,050	1,000	1,170	[4] 1,273
Method of financing purchases:								
All passenger cars [5] ..... percent	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance) ..... percent	47	38	38	48	42	47	47	50
Installment credit and other borrowing ..... percent	52	60	62	52	58	53	53	50
New passenger-car buyers [5] ..... percent	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance) ..... percent	54	39	33	40	31	34	34	43
Installment credit and other borrowing ..... percent	46	60	67	60	69	66	66	57
Used passenger cars [5] ..... percent	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance) ..... percent	41	37	41	53	50	51	52	50
Installment credit and other borrowing ..... percent	57	60	59	47	50	49	48	50

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] Data may be unreliable due to an unusually small sample.
[5] 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 purchases.

Source: The University of Michigan, Survey Research Center, Ann Arbor, Mich., *Survey of Consumer Finances.*

No. 895. Household Expenditures on New and Used Cars: 1967 to 1972

[Seasonally adjusted. Annual figures are averages of quarterly rates, except purchases per 100 households. Expenditures and prices are net of trade-in allowances and State and Federal taxes. Based on sample]

Year and quarter	Purchases per 100 households		Expenditures, annual rate (bil. dol.)			Average price (dollars)	
	New cars	Used cars	Total	New cars	Used cars	New car	Used car
1967	11.9	22.0	30.5	19.4	11.0	2,731	840
1968	13.2	22.2	35.1	23.2	11.9	2,912	888
1969	13.0	20.8	36.5	24.5	12.0	3,031	941
1970	11.1	19.6	33.3	21.3	12.0	3,018	959
1971	12.4	22.4	41.7	26.9	14.8	3,308	1,021
1972, Jan.-Mar.	2.9	5.4	43.1	26.8	16.3	3,972	1,255

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-65, Nos. 24, 25, 36, and 39.

No. 896. Estimated Cost of Operating an Automobile: 1960, 1968, and 1970

[1970 estimates were based on a 4-door sedan, costing $3,374, including $189 Federal excise tax, with an assumed life-span of 10 years, 100,000 miles. Similar specifications were used in 1960 and 1968]

Item	10 year total costs			Cents per mile cost, 1970 (January)					
	1960 (Oct.)	1968 (Jan.)	1970 (Jan.)	10-year average	1st year (14,500 miles)	3d year (11,500 miles)	5th year (9,900 miles)	7th year (9,500 miles)	10th year (5,700 miles)
Total	**$9,761**	**$11,024**	**$11,890**	**11.89**	**14.21**	**12.10**	**11.50**	**12.02**	**10.82**
Costs excluding taxes	8,595	9,852	10,537	10.54	11.93	10.88	10.32	10.88	9.56
Depreciation	2,542	2,806	3,185	3.19	6.59	3.92	2.60	1.63	.88
Repairs and maintenance [1]	1,722	1,788	1,521	1.52	.50	1.59	1.74	3.40	.53
Replacement tires and tubes [2]	181	232	385	.39	.12	.12	.39	.44	.82
Accessories [3]	140	82	28	.03	.01	.01	.01	.05	.06
Gasoline [4]	1,453	1,497	1,733	1.73	1.73	1.73	1.73	1.73	1.73
Oil [4]	187	227	158	.16	.11	.13	.16	.19	.22
Insurance [5]	1,290	1,415	1,722	1.72	1.44	1.73	1.87	1.57	2.61
Garaging, parking, tolls, etc. [6]	1,080	1,805	1,805	1.80	1.43	1.65	1.82	1.88	2.71
Taxes and fees [7]	1,166	1,172	1,353	1.35	2.28	1.22	1.18	1.14	1.26

[1] For 1970, includes lubrication, washing, and waxing; replacement of spark plugs, points and condenser, wiper blades, fan belt, radiator hoses, etc.; starter, water pump, and brake overhaul; universal joint replacement, etc.; and major repair such as a complete "valve job."
[2] For 1970, covers 7 new regular tires and 4 new snow tires during life of car.
[3] For 1970, includes a set of vinyl floor mats and seat covers.
[4] For 1970, gasoline use set at 13.8 miles per gallon; oil use associated with gasoline at rate of 1 quart of oil to 128 gallons of gas.
[5] For 1970, includes $50,000 combined public liability, property damage, $1,000 medical, and comprehensive for full 10 years; uninsured motorist coverage, and $100 deductible collision insurance assumed for first 5 years.
[6] For 1970, includes monthly charges of $10 for garage rental or cost of owner's garaging facility, parking fee average of $54 per year, and toll average of $6.50 per year.
[7] For 1970, includes Federal gasoline tax of 4 cents and Maryland gasoline tax of 7 cents per gallon; Maryland registration fee of $20 and titling tax at 4 percent of retail price; and Federal excise taxes on motor vehicles, tires, and oil. Total taxes include property and oil taxes.

Source: U.S. Federal Highway Administration, *Cost of Operating an Automobile.*

No. 897. Cars and Trucks in Use, by Age: 1955 to 1971

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

Age	1955		1960		1965		1970		1971	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
Total cars	**47,123**	**100.0**	**56,935**	**100.0**	**68,935**	**100.0**	**80,427**	**100.0**	**83,121**	**100.0**
Under 3 years	14,448	30.7	14,186	24.9	21,578	31.3	24,403	30.3	24,095	29.0
3-5 years	15,164	32.2	18,346	32.2	18,013	26.1	24,923	31.0	24,886	29.9
6-8 years	10,146	21.5	12,380	21.7	13,571	19.7	18,441	22.9	20,445	24.6
9-11 years	7,365	15.6	9,199	16.2	9,862	14.3	7,735	9.6	8,833	10.6
12 years and over			2,825	5.0	5,911	8.6	4,925	6.1	4,860	5.8
Total trucks	**9,111**	**100.0**	**10,771**	**100.0**	**13,106**	**100.0**	**17,672**	**100.0**	**18,446**	**100.0**
Under 3 years	2,039	22.4	2,046	19.0	3,222	24.6	4,680	26.5	4,800	26.0
3-5 years	2,767	30.4	2,418	22.4	2,476	18.9	4,250	24.1	4,334	23.5
6-8 years	2,319	25.5	2,077	19.3	1,950	14.9	2,955	16.7	3,336	18.1
9-11 years	702	7.7	2,332	21.7	1,844	14.1	1,862	10.5	1,969	10.6
12 years and over	1,285	14.1	1,898	17.6	3,614	27.6	3,925	22.2	4,006	21.7

Source: R. L. Polk & Co., Detroit, Mich. Further reproduction prohibited without Polk permission.

No. 898. Motor Fuel Consumption, by Use: 1950 to 1970

[**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	1950	1955	1960	1965	1967	1968	1969	1970
Total consumption [1]	**40,280**	**53,116**	**63,714**	**71,104**	**77,693**	**82,938**	**88,122**	**92,328**
Passenger vehicles	25,037	34,319	41,996	51,169	56,020	59,456	63,395	66,728
Passenger cars [2]	24,305	33,548	41,169	50,275	55,110	58,524	62,448	65,784
Buses [3]	732	771	827	894	910	932	947	944
Trucks and combinations	10,566	13,308	15,882	19,935	21,673	23,482	24,727	25,600
Average gallons consumed per vehicle	728	759	777	775	786	804	821	830
Passenger cars [2]	603	644	661	656	669	682	700	722
Buses [3]	3,752	3,021	3,040	2,844	2,693	2,649	2,600	2,491
Trucks and combinations	1,257	1,278	1,330	1,347	1,338	1,382	1,384	1,365
Average mileage per gallon, per vehicle	12.87	12.67	12.42	12.49	12.38	12.25	12.15	12.14
Passenger cars [2]	14.95	14.53	14.28	14.15	14.05	13.91	13.75	13.58
Buses [3]	5.57	5.85	5.26	5.35	5.38	5.33	5.32	5.34
Trucks and combinations	8.57	8.37	7.96	8.60	8.42	8.37	8.36	8.39

[1] Through 1960, includes nonhighway usage and losses allowed for evaporation, handling, etc.; thereafter, highway usage only. [2] Includes taxicabs and motorcycles. [3] Includes school buses.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 899. Speed of Motor Vehicles: 1950 to 1970

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

ITEM	1950	1955	1960	1965	1966	1967	1968	1969	1970
Number of vehicles recorded ... 1,000	280	395	459	552	519	478	480	388	488
Average speed, all vehicles ... m.p.h.	47.6	50.5	52.6	56.4	57.3	58.0	59.0	60.0	59.2
Passenger cars ... m.p.h.	48.7	52.0	53.8	57.8	58.8	59.5	60.4	61.3	60.6
Trucks ... m.p.h.	43.0	45.6	48.2	51.8	52.6	53.1	54.0	54.9	54.7
Buses ... m.p.h.	49.8	52.3	55.5	57.4	58.8	59.4	60.5	59.4	58.8
Vehicles exceeding—									
40 m.p.h. ... percent	77	87	92	95	96	96	97	98	97
45 m.p.h. ... percent	58	72	80	88	89	91	92	93	93
50 m.p.h. ... percent	37	50	58	73	76	79	81	82	83
55 m.p.h. ... percent	20	29	37	56	59	64	66	67	68
60 m.p.h. ... percent	8	14	16	34	40	44	45	46	47
65 m.p.h. ... percent	(NA)	(NA)	(NA)	(NA)	(NA)	24	26	27	27
70 m.p.h. ... percent	(NA)	(NA)	(NA)	(NA)	(NA)	12	12	13	12

NA Not available.

Source: U.S. Federal Highway Administration, *Traffic Speed Trends*, and unpublished data.

No. 900. Automobile Insurance: 1950 to 1969

[**Money figures in millions of dollars.** Prior to 1960, excludes Alaska and Hawaii. 1950, net basis; 1955, direct writing basis; 1960 and 1965, direct premiums earned and direct losses incurred]

ITEM	1950	1955	1960	1965	1967	1968	1969
Total insurance:							
Premiums written	2,625	4,644	6,448	8,358	10,800	11,693	12,906
Losses paid	1,069	2,122	3,645	5,221	5,814	6,642	7,715
Percent of premiums written	40.7	45.7	56.5	62.5	53.8	56.8	59.8
Automobile liability, bodily injury:							
Premiums written	931	1,735	2,841	3,948	4,991	5,383	5,892
Losses paid	396	820	1,697	2,459	2,580	2,802	3,093
Percent of premiums written	42.5	47.3	59.7	62.3	51.7	52.1	52.5
Automobile liability, property damage: [1]							
Premiums written	482	896	1,219	1,567	2,091	2,280	2,544
Losses paid	231	415	675	1,025	1,224	1,416	1,693
Percent of premiums written	47.9	46.3	55.4	65.4	58.5	62.1	66.5
Physical damage: [2]							
Premiums written	1,212	2,013	2,388	2,843	3,718	4,030	4,470
Losses paid	442	887	1,273	1,737	2,011	2,424	2,929
Percent of premiums written	36.5	43.6	53.3	61.1	54.1	60.1	65.5

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

Source: The Spectator, Philadelphia, Pa., 1950, *Insurance Yearbook;* 1955 through 1965, *Insurance by States;* thereafter, *Property Liability Insurance Review*, annual. (Copyright.)

No. 901. Automobile Accident Victims—Economic Losses, by Type: 1967

[**In dollars, except as indicated.** Excludes Alaska and Hawaii. Seriously injured persons defined as those meeting any of following conditions: Hospitalized 2 weeks or more; $500 or more in medical costs other than hospital; if working, missed 3 weeks of work; if not working, missed 6 weeks of normal activities. Based on a sample of police-reported injuries and fatalities due to automobile accidents]

Type of loss	Per seriously injured person				Per family with seriously injured member or fatality			
	Average total loss	Loss for those sustaining loss		Percent with loss	Average total loss	Loss for those sustaining loss		Percent with loss
		Average	Median [1]			Average	Median [1]	
Total	**8,290**	**8,290**	**2,544**	**100.0**	**10,390**	**10,395**	**2,805**	**100.0**
To date of interview	4,203	4,203	(NA)	100.0	4,233	4,235	(NA)	(NA)
Medical	1,604	1,610	892	99.6	1,562	1,654	918	94.4
Hospital	813	1,213	729	67.0	812	1,221	716	66.5
Other	790	798	492	99.0	750	803	494	93.4
Property damage	535	873	710	61.2	574	967	782	59.4
Wage loss	1,951	2,838	948	68.8	1,839	2,854	950	64.4
Other losses	113	306	297	36.8	258	590	385	43.7
Expected future losses	4,087	(NA)	(NA)	(NA)	6,157	(NA)	(NA)	(NA)
Future earnings	4,011	40,006	25,507	10.0	6,088	48,157	35,879	12.6
Medical and other costs	76	1,098	677	6.9	69	1,105	683	6.2

NA Not available.
[1] For definition of median, see preface.

Source: U.S. Dept. of Transportation, *Economic Consequences of Automobile Accident Injuries*, vol. I, April 1970. (Automobile Insurance and Compensation Study.)

No. 902. Automobile Personal Injury Claims—Ratios of Total Payment to Economic Loss for All Paid Claimants: 1969

[**Percent distribution.** Based on a survey in October-November of 16 auto insurance carriers representing over half of the nation's auto bodily injury liability insurance business; covers only personal injury liability claimants who filed claims with another person's insurance company or claims under uninsured motorist coverage; excludes claimants under coverages for auto medical payments, property damage liability, or collision]

Ratio of payments received to losses incurred [1]	Economic loss to date of settlement								
	Total	$1–$500	$501–$1,000	$1,001–$1,500	$1,501–$2,500	$2,501–$5,000	$5,001–$10,000	$10,001–$25,000	Over $25,000
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
PERSONS WITH LOSSES									
Under .75	2.2	1.4	3.7	4.7	5.7	7.9	12.9	19.6	73.3
.76–1.25	15.6	17.3	12.5	14.0	15.7	19.5	25.8	28.9	20.0
1.26–2.25	18.7	16.7	30.2	31.6	33.4	34.2	34.4	30.9	6.7
2.26–4.25	29.3	30.3	39.7	33.7	34.8	31.3	21.5	15.5	–
4.26 and over	34.3	34.1	13.9	15.9	10.5	8.2	5.4	5.2	–
Aggregate [2]	2.5	3.7	2.8	2.9	2.6	2.3	1.8	1.6	.4
LOSS DOLLARS INCURRED									
Under .75	12.2	1.9	3.9	4.8	5.9	7.9	13.4	20.7	81.6
.76–1.25	18.1	13.5	12.6	14.2	16.1	18.7	27.3	28.3	14.7
1.26–2.25	28.2	20.2	30.3	31.7	33.1	34.7	32.9	29.6	3.6
2.26–4.25	29.3	37.9	39.5	33.5	34.8	30.2	21.2	16.0	–
4.26 and over	12.3	26.5	13.6	15.8	10.2	8.5	5.4	5.4	–
PAYMENT DOLLARS RECEIVED									
Under .75	1.7	.3	.7	.8	1.0	1.5	2.9	4.4	52.1
.76–1.25	7.1	3.7	4.6	4.9	6.3	8.3	14.9	17.6	31.5
1.26–2.25	19.4	9.7	19.0	19.2	22.2	26.8	30.8	31.9	16.5
2.26–4.25	34.7	32.1	42.0	34.1	40.0	38.0	34.7	28.6	–
4.26 and over	37.0	54.2	33.8	41.0	30.4	25.5	16.7	17.6	–

– Represents zero. [1] To date of settlement. [2] Ratio of aggregate payments to aggregate losses.

Source: U.S. Dept. of Transportation, *Automobile Personal Injury Claims*, vol. I, July 1970. (Automobile Insurance and Compensation Study.)

No. 903. Motor-Vehicle Accidents—Number and Deaths, by Type of Accident: 1950 to 1971

ITEM	1950	1955	1960	1965	1967	1968	1969	1970	1971 (prel.)
Motor-vehicle accidents....1,000..	8,300	9,900	10,400	13,200	13,700	14,600	15,500	16,000	16,300
Accidents per 10,000 vehicles	1,688	1,577	1,397	1,439	1,385	1,416	1,443	1,435	1,417
Traffic deaths [1]	**34,763**	**38,426**	**38,137**	**49,163**	**52,924**	**55,200**	**56,400**	**54,800**	**54,700**
Noncollision accidents	10,600	12,100	11,900	14,900	16,700	17,800	[2] 16,000	[2] 14,200	[2] 13,700
Collision accidents:									
With other motor vehicles	11,650	14,500	14,800	20,800	22,000	22,500	24,000	23,300	23,300
With pedestrians	9,000	8,200	7,850	8,900	9,400	9,800	9,800	10,400	10,600
With fixed objects	3,490	3,605	3,610	4,560	4,820	5,100	[2] 6,600	[2] 6,900	[2] 7,100
Traffic death rates:									
Per 100,000 population	23.0	23.4	21.2	25.4	26.7	27.6	27.9	26.9	26.7
Per 10,000 motor vehicles	7.1	6.1	5.1	5.4	5.4	5.4	5.3	4.9	4.8
Per 100 million vehicle miles	7.6	6.3	5.3	5.5	5.5	5.4	5.3	4.9	4.7

[1] Totals may not quite 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] Not comparable with earlier years.

Source: National Safety Council, Chicago, Ill., *Accident Facts*, annual. (Copyright.)

No. 904. Deaths From Motor-Vehicle Accidents—Place of Death, by States: 1950 to 1968

STATE	1950	1955	1960	1965	1968	STATE	1950	1955	1960	1965	1968
U.S.	**34,859**	**38,521**	**38,137**	**49,163**	**54,862**	Mo	902	1,079	1,078	1,387	1,495
						Mont	209	244	231	289	292
Ala	859	859	926	1,248	1,285	Nebr	317	331	310	411	451
Alaska	22	31	43	57	85	Nev	122	186	182	215	234
Ariz	333	384	507	555	703	N.H	103	110	103	148	180
Ark	365	447	449	635	693	N.J	715	815	764	1,104	1,336
Calif	3,082	3,524	3,837	4,804	5,048	N. Mex	340	383	427	517	497
Colo	415	455	443	557	672	N.Y	1,961	2,163	2,034	2,798	3,117
Conn	287	353	303	415	448	N.C	1,153	1,222	1,281	1,723	1,927
Del	84	112	91	126	168	N. Dak	105	153	166	176	214
D.C	102	99	82	99	129	Ohio	1,850	2,089	1,933	2,333	2,550
Fla	882	1,048	1,303	1,702	2,124	Okla	504	569	686	730	761
Ga	928	1,122	1,079	1,403	1,821	Oreg	461	434	469	717	671
Hawaii	74	64	111	110	166	Pa	1,656	1,872	1,685	2,167	2,537
Idaho	243	184	231	262	279	R.I	87	94	60	102	146
Ill	1,953	1,877	1,564	2,197	2,438	S.C	627	696	690	847	979
Ind	1,136	1,189	1,164	1,550	1,556	S. Dak	198	200	241	252	263
Iowa	620	613	644	831	885	Tenn	801	968	899	1,265	1,325
Kansas	546	613	535	684	682	Tex	2,499	2,602	2,316	3,067	3,511
Ky	753	907	808	943	1,080	Utah	199	211	269	314	315
La	585	703	849	1,122	1,306	Vt	69	87	104	136	131
Maine	161	177	181	227	237	Va	929	909	782	1,072	1,245
Md	480	500	527	710	870	Wash	534	514	597	768	959
Mass	492	621	621	888	910	W.Va	400	398	371	507	525
Mich	1,627	2,036	1,634	2,134	2,390	Wis	857	954	926	1,055	1,157
Minn	558	613	750	897	1,096	Wyo	149	145	182	184	176
Miss	525	562	669	723	797						

Source: U.S. Public Health Service, *Vital Statistics of the United States*, annual.

No. 905. Automobile Accidents—Economic Loss Per Fatality: 1967

[**In dollars, except as indicated.** Excludes Alaska and Hawaii. Based on a sample of police-reported injuries and fatalities due to automobile accidents]

ITEM	ALL LOSSES [1]		LOSS TO DATE OF DEATH OR OF INTERVIEW			
	Total	Expected future	Total	Medical	Property damage	Other
Average total loss per fatality	89,523	87,242	2,281	394	582	1,305
For those sustaining loss:						
Average loss	89,523	109,621	2,281	848	1,065	(NA)
Median [2] loss	48,819	58,704	(NA)	428	758	(NA)
Percent with loss	100.0	79.6	100.0	46.3	54.5	97.7

NA Not available. [1] Includes estimated loss of future earnings of all fatal victims, including those without dependent survivors. [2] For definition of median, see preface.

Source: U.S. Dept. of Transportation, *Economic Consequences of Automobile Accident Injuries*, vol. 1, April 1970. (Automobile Insurance and Compensation Study.)

No. 906. Motor-Vehicle Accidents—Persons Killed or Injured: 1960 to 1971

[Estimates based on summaries of motor vehicle accidents prepared by various States]

ITEM	PERSONS KILLED					PERSONS INJURED				
	1960	1965	1969	1970	1971	1960	1965	1969	1970	1971
Number of persons 1,000	38	49	56	55	54	[1] 3,078	[1] 4,100	[1] 4,700	[1] 5,100	[1] 4,700
Driver action 1,000	30	42	46	45	46	2,600	3,682	4,140	4,513	4,136
Pedestrian action 1,000	8	9	10	10	9	256	275	268	301	319
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Driver action:										
Exceeding speed limit	36.1	41.1	40.5	39.3	36.1	38.5	42.2	25.5	21.9	22.7
On wrong side of road	17.0	16.4	13.6	13.8	14.1	6.7	6.8	5.7	9.3	5.1
Had not right-of-way	12.8	13.0	12.6	14.0	14.6	22.5	18.9	19.2	15.7	19.9
Drove off roadway	16.6	10.5	15.4	14.5	15.6	8.3	6.9	13.0	11.2	10.9
Reckless driving	12.5	14.9	11.9	14.3	12.6	13.5	19.2	30.6	37.0	36.2
Other [2]	5.0	4.1	6.0	4.1	7.0	10.5	6.0	5.1	4.9	5.2
Pedestrian action:										
Crossing at intersection	29.2	20.8	22.6	22.4	21.1	32.7	26.2	32.9	31.4	31.2
Crossing between intersections	37.1	40.8	41.6	41.8	42.9	32.2	31.6	25.3	26.4	26.9
Children playing in street	5.3	3.3	2.8	3.1	2.2	6.6	6.3	6.5	5.5	5.1
At work in road	2.9	2.8	2.7	2.0	2.2	2.2	1.8	2.2	2.0	2.0
Coming from behind parked car	6.2	6.9	3.0	3.1	3.3	15.7	16.8	9.8	9.3	8.7
Walking on rural highway	10.0	15.6	14.6	14.3	14.3	2.4	7.6	8.3	12.1	8.8
Not on roadway	4.2	4.7	5.8	4.1	4.1	4.5	3.6	5.1	4.4	4.7
Other [3]	5.1	5.1	6.9	9.2	9.9	3.7	6.1	9.9	8.9	12.6
Collision with—										
Automobile	39.5	41.2	39.8	40.6	39.6	74.9	72.5	73.2	73.2	72.7
Pedestrian	20.0	18.6	17.2	17.8	18.2	8.3	6.7	5.7	5.9	6.8
Fixed object	10.7	10.5	11.5	10.1	9.9	4.8	5.1	5.9	5.7	5.8
Other [4]	4.8	4.5	4.4	3.8	4.0	2.1	2.4	2.3	1.9	2.2
Noncollision	25.0	25.2	27.1	27.7	28.3	9.9	13.3	12.9	13.3	12.5
Weather condition:										
Clear	87.4	84.8	84.6	84.1	83.3	83.9	78.6	80.3	80.7	80.1
Fog	1.2	2.0	1.8	2.0	3.7	0.7	1.5	1.1	1.4	1.6
Rain	9.0	11.0	11.5	12.1	11.1	10.6	15.4	14.3	14.2	13.3
Snow	2.4	2.2	2.1	1.8	1.9	4.8	4.5	4.3	3.7	5.0
Road condition:										
Dry	79.2	77.4	76.8	78.8	75.9	71.5	69.1	69.3	71.7	68.0
Wet	15.1	17.9	18.8	17.2	18.5	16.5	22.4	22.6	20.4	22.2
Snowy or icy	5.7	4.7	4.4	4.0	5.6	12.0	8.5	8.1	7.9	9.8
Day of accident:										
Sunday	17.7	18.7	17.5	17.6	17.2	15.2	13.6	14.1	13.7	13.2
Monday	11.6	10.9	11.5	11.4	11.5	13.5	13.2	12.9	13.2	13.0
Tuesday	11.6	10.0	10.6	10.5	10.7	12.2	11.9	12.4	12.2	12.6
Wednesday	10.5	11.2	11.2	11.2	10.9	12.1	12.9	12.5	13.4	12.8
Thursday	11.2	11.9	11.9	12.2	12.6	13.5	13.9	13.1	13.2	13.9
Friday	16.0	15.4	15.2	16.3	16.5	16.0	16.5	16.7	16.6	17.1
Saturday	21.5	21.9	22.1	20.8	20.6	17.5	18.0	18.3	17.7	17.4
Hour of accident:										
Midnight–6 a.m.	22.3	22.2	22.5	21.6	21.5	10.9	10.7	12.2	11.8	11.1
6 a.m.–noon	15.6	14.8	14.9	15.6	15.7	22.0	21.8	20.2	20.7	20.8
Noon–6 p.m.	27.8	28.7	27.8	28.4	28.5	40.5	39.7	39.5	40.0	40.7
6 p.m.–midnight	34.3	34.3	34.8	34.4	34.3	26.6	27.8	28.1	27.5	27.4
Age of victims:										
Under 10 years	(NA)	7.6	(NA)	(NA)	6.9	(NA)	8.9	(NA)	(NA)	8.3
10–19 years	(NA)	15.9	(NA)	(NA)	18.9	(NA)	21.4	(NA)	(NA)	22.3
20–34 years	(NA)	28.4	(NA)	(NA)	29.6	(NA)	31.6	(NA)	(NA)	35.0
35–54 years	(NA)	24.3	(NA)	(NA)	21.7	(NA)	25.7	(NA)	(NA)	22.5
55 years and over	(NA)	23.8	(NA)	(NA)	22.9	(NA)	12.4	(NA)	(NA)	11.9

NA Not available.

[1] Includes persons injured attributable to action of both parties and those for whom action could not be determined.

[2] Cutting in; improper passing; no or improper signalling; movement of driverless car; miscellaneous.

[3] Standing on safety isle; getting on or off other vehicle; riding or hitching on vehicle; miscellaneous.

[4] Railroad train; bicycle; other vehicle; and miscellaneous.

Source: The Travelers Insurance Companies, Hartford, Conn., *The Travelers Book of Street and Highway Accident Data*, annual.

No. 907. Class I Intercity Motor Carriers of Passengers: 1950 to 1970

[Carriers subject to ICC regulations. Prior to 1960, excludes Alaska and Hawaii. See text, p. 534, for class limits]

ITEM	1950	1955	1960	1965	1968	1969	1970
Carriers reporting [1] ..... number	172	146	143	156	173	70	72
Operating revenue ..... mil. dol.	351	362	463	607	695	667	725
Passenger revenue [2] ..... mil. dol.	325	315	382	467	504	496	525
Special bus revenue and other ..... mil. dol.	27	47	81	141	191	181	199
Expenses ..... mil. dol.	315	331	405	514	613	594	641
As percent of operating revenue	89.7	91.4	87.5	84.7	88.3	87.7	88.4
Net operating revenue ..... mil. dol.	36	31	58	90	81	83	84
Ordinary income before income taxes ..... mil. dol.	35	29	55	90	97	96	89
Net income after income taxes ..... mil. dol.	19	16	28	52	61	56	53
Passenger vehicles [2] ..... number	14,566	13,127	12,680	13,287	15,398	12,992	(NA)
Owned end of year [2] ..... number	13,200	11,547	10,946	11,295	12,257	10,062	(NA)
Intercity ..... number	13,621	12,057	11,142	10,106	10,897	9,084	(NA)
Vehicle-miles, passenger [3] ..... mil.	959	859	843	947	977	869	(NA)
Number of revenue passengers carried ..... mil.	390	293	268	219	230	178	174
Miles per vehicle, average [4]	65,411	64,128	65,567	67,689	58,423	61,646	(NA)
Average fare per passenger, per carrier (intercity)	$1.01	$1.37	$2.12	$2.73	$2.91	$3.55	(NA)
Passenger revenue per vehicle-mile, regular-route	$0.35	$0.38	$0.49	$0.56	$0.60	$0.60	(NA)
Expense per vehicle-mile	$0.33	$0.38	$0.48	$0.54	$0.63	$0.68	(NA)
Number of employees, average 1,000	40	36	35	35	37	34	(NA)
Compensation of employees ..... mil. dol.	139	159	196	250	297	293	(NA)

NA Not available. [1] Excludes carriers subject to ICC jurisdiction engaged preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers. [2] Regular route intercity and local. [3] Vehicles owned, leased, and operated under "purchased transportation" arrangements, operated in all revenue service. [4] Owned and leased vehicles, intercity service.

Source: Interstate Commerce Commission, *Transport Statistics in the United States*, Part 7, annual.

No. 908. Intercity Bus Lines—Summary of Operations: 1960 to 1971

ITEM	1960	1965	1967	1968	1969	1970	1971 (est.)
Operating companies	1,150	1,100	1,050	1,050	1,050	1,000	1,000
Buses	20,974	20,600	21,900	22,100	22,700	23,100	23,300
Miles of highway served (Dec. 31) [1] 1,000	265	263	263	264	266	267	268
Employees (Dec. 31) [2] 1,000	45	45	47	47	48	50	50
Total bus miles ..... millions	1,092	1,157	1,205	1,190	1,195	1,212	1,209
Revenue passengers ..... millions	366	378	400	398	396	401	398
Revenue passenger-miles ..... millions	19,300	23,800	24,900	24,500	24,900	25,300	25,500
Operating revenue, all services ..... mil. dol.	556	701	768	798	846	901	954
Operating expenses ..... mil. dol.	495	600	682	709	752	812	852
Net operating revenue [3] ..... mil. dol.	61	101	86	89	94	89	102

Includes duplication between carriers. [2] Operating companies only. [3] Before income taxes.

Source: National Association of Motor Bus Owners, Washington, D.C., *Bus Facts*, and unpublished data.

No. 909. Bus Carriers—Revenue and Expenses, by Type of Service: 1967

[**Money figures in thousands of dollars.** Covers carriers with payroll not subject to Interstate Commerce Commission economic regulation. Excludes carriers operated by municipalities or other governmental bodies]

ITEM	Total	TYPE OF SERVICE				
		Local	Intercity	Charter or special	Sightseeing	Airport
ALL CARRIERS [1]						
Number of carriers	1,254	711	176	132	54	74
Operating revenue	562,118	455,190	38,741	16,659	14,745	26,113
Payroll, annual	304,909	255,518	20,152	6,689	5,507	11,884
Paid employees, week incl. March 12	51,580	42,057	3,743	1,746	1,084	2,216
CARRIERS REPORTING REVENUE AND EXPENSES						
Number of carriers	832	533	115	97	27	60
Revenue, total	460,503	383,350	28,586	12,120	11,768	24,679
Passenger revenue	414,269	340,761	27,169	11,600	10,580	24,159
Local service	319,926	318,613	379	774	–	160
Intercity service	24,751	449	23,883	404	–	15
Charter and special service	29,805	14,853	2,559	9,280	1,719	1,394
Airport service	23,008	277	25	69	222	22,415
School and sightseeing service	16,779	6,569	323	1,073	8,639	175
Nonpassenger revenue	46,234	42,589	1,417	520	1,188	520
Expenses: Payroll, annual	255,783	220,746	14,713	4,891	4,312	11,121
Other	172,503	136,965	13,199	6,591	6,370	9,378

– Represents zero. [1] Includes unclassified carriers, not shown separately.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1967*, Misc. Subjects, BC 67-SS8.

No. 910. Transit Industry—Summary: 1950 to 1971

[**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 (*a*) local motorbus lines, (*b*) electric street railways, (*c*) elevated and subway lines, (*d*) interurban electric railways and (*e*) trolley coach lines. Based on financial and statistical reports received by American Transit Association from transit systems representing more than 85 percent of the industry. See also *Historical Statistics, Colonial Times to 1957*, series Q 330-340]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970	1971 (prel.)
Operating systems	1,406	1,483	1,251	1,148	1,138	1,094	1,086	1,079	1,063
Motorbus systems [1]	1,354	1,450	1,236	1,145	1,135	1,091	1,082	1,075	1,059
Miles of route operated (Dec. 31):									
Electric railway—single track	10,813	6,197	3,935	2,173	2,049	2,045	2,081	2,081	(NA)
Surface	9,590	4,976	2,692	918	790	775	762	762	(NA)
Subway and elevated	1,223	1,221	1,243	1,255	1,259	1,270	1,319	1,319	(NA)
Trolley coach—negative overhead wire	3,482	3,428	2,196	766	616	616	563	563	(NA)
Motorbus—route round trip	98,000	99,800	108,700	120,900	123,600	121,000	117,300	112,700	(NA)
Passenger vehicles owned (Dec. 31)	86,867	73,089	65,292	61,717	62,069	61,930	61,347	61,350	60,737
Electric railway cars	23,543	14,532	11,866	10,664	10,645	10,745	10,665	10,600	10,550
Surface	13,800	5,300	2,856	1,549	1,388	1,355	1,322	1,262	1,225
Subway and elevated	9,743	9,232	9,010	9,115	9,257	9,390	9,343	9,338	9,325
Trolley coaches	6,504	6,157	3,826	1,453	1,244	1,185	1,082	1,050	1,037
Motorbuses	56,820	52,400	49,600	49,600	50,180	50,000	49,600	49,700	49,150
Investment (Dec. 31)	3,918	3,821	3,937	4,225	4,492	4,533	4,578	4,624	(NA)
Electric railway	3,060	2,902	3,003	3,243	3,429	3,475	3,502	3,537	(NA)
Surface	913	616	367	165	150	146	145	147	(NA)
Subway and elevated	2,147	2,286	2,636	3,078	3,279	3,329	3,357	3,391	(NA)
Trolley coach	144	160	117	49	40	38	38	38	(NA)
Motorbus	714	759	817	933	1,023	1,020	1,038	1,048	(NA)
Operating finances:									
Operating revenue	1,452	1,426	1,407	1,444	1,556	1,563	1,626	1,707	1,741
Electric railway	578	440	369	366	405	411	435	440	428
Surface	362	176	88	56	53	53	55	55	49
Subway and elevated	216	264	282	310	352	358	380	384	379
Trolley coach	122	131	82	42	36	36	33	32	32
Motorbus	752	856	956	1,036	1,116	1,116	1,158	1,236	1,280
Operating expenses	1,297	1,277	1,290	1,374	1,531	1,626	1,745	1,892	2,040
Percent of revenue	89.3	89.6	91.7	95.2	98.4	104.0	107.3	110.8	117.2
Net revenue	155	149	117	70	25	[2] *63*	[2] *119*	[2] *184*	[2] *300*
Taxes (all)	89	93	87	81	92	98	101	104	112
Operating income	66	56	31	[2] *11*	[2] *67*	[2] *161*	[2] *221*	[2] *288*	[2] *411*
Percent of revenue	4.6	3.9	2.2	(2)	(2)	(2)	(2)	(2)	(2)
Revenue vehicle-miles operated mil.	3,008	2,448	2,143	2,008	1,997	1,989	1,967	1,883	1,846
Electric railway mil.	907	561	466	437	434	444	453	441	440
Surface mil.	463	178	75	42	38	38	36	34	33
Subway and elevated mil.	443	383	391	395	397	407	417	407	407
Trolley coach mil.	206	177	101	43	36	36	36	33	31
Motorbus mil.	1,895	1,710	1,576	1,528	1,526	1,508	1,478	1,409	1,376
Passengers carried mil.	17,246	11,529	9,395	8,253	8,172	8,019	7,803	7,332	6,847
Electric railway mil.	6,168	3,077	2,313	2,134	2,201	2,181	22,29	2,116	2,000
Surface mil.	3,904	1,207	463	276	263	253	249	235	222
Subway and elevated mil.	2,264	1,870	1,850	1,858	1,938	1,928	1,980	1,881	1,778
Trolley coach mil.	1,658	1,202	657	305	248	228	199	182	148
Motorbus mil.	9,420	7,250	6,425	5,814	5,723	5,610	5,375	5,034	4,699
Revenue passengers carried mil.	13,845	9,189	7,521	6,798	6,616	6,491	6,310	5,932	5,580
Electric railway mil.	4,903	2,586	2,005	1,882	1,828	1,814	1,840	1,746	1,660
Surface mil.	2,790	845	335	204	196	187	184	172	155
Subway and elevated mil.	2,113	1,741	1,670	1,678	1,632	1,627	1,656	1,574	1,505
Trolley coach mil.	1,261	869	447	186	155	152	135	128	113
Motorbus mil.	7,681	5,734	5,069	4,730	4,633	4,525	4,335	4,058	3,807
Employees, number (avg) 1,000	240	198	156	145	146	144	141	138	139
Subway and elevated	39	41	35	36	38	38	37	36	(NA)
Surface railway—trolley coach and motorbus	201	157	121	109	108	106	104	102	(NA)
Payroll, employee	835	864	857	964	1,055	1,110	1,184	1,274	1,393
Average annual earnings per employee dollars	3,479	4,364	5,481	6,645	7,222	7,727	8,404	9,230	10,014

NA Not available. [1] Comprises companies operating motorbuses exclusively and companies with combined services such as trolley coach and motorbus, etc. [2] Deficit, not computed as percent of operating revenue.

Source: American Transit Association, Washington, D.C., *Transit Fact Book*, annual.

No. 911. Class I Intercity Motor Carriers of Property: 1950 to 1969

[Carriers subject to ICC regulations. Prior to 1960, excludes Alaska and Hawaii. See text, p. 534, for class limits]

ITEM	1950	1955	1960	1965	1967	1968	1969
Carriers reporting ..... number	1,621	2,244	935	1,114	1,198	1,252	1,311
Operating revenue ..... mil. dol.	2,380	4,030	4,763	7,131	8,091	9,593	10,770
Common carrier ..... mil. dol.	2,181	3,622	4,384	6,637	7,524	8,807	9,801
Contract carrier and other ..... mil. dol.	199	408	379	493	568	786	968
Expenses ..... mil. dol.	2,215	3,870	4,645	6,760	7,796	9,129	10,337
Net operating revenue ..... mil. dol.	165	160	119	371	295	464	433
Net income before income taxes ..... mil. dol.	159	146	81	329	234	405	349
Net income after income taxes ..... mil. dol.	93	82	37	209	144	235	197
Owned revenue vehicles 1,000	191	289	279	355	394	428	466
Trucks 1,000	29	37	31	36	37	47	54
Truck tractors 1,000	61	92	88	105	116	122	132
Trailers (semi and full) 1,000	101	159	161	214	241	258	280
Intercity vehicle-miles ..... mil.	5,532	7,559	7,203	9,154	9,815	10,902	11,699
Tons of intercity revenue freight carried ..... mil.	213	314	276	419	469	523	561
Miles per owned vehicle	53,833	53,008	59,590	65,217	64,199	68,303	67,518
Revenue per vehicle-mile (*intercity*)	$0.43	$0.52	$0.64	$0.74	$0.79	$0.84	$0.87
Expense per vehicle-mile (intercity)	$0.41	$0.51	$0.65	$0.72	$0.79	$0.84	$0.88
Number of employees, average 1,000	224	332	327	375	425	469	510
Compensation of employees ..... mil. dol.	855	1,690	2,103	2,948	3,569	4,200	4,762

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 7, annual.

No. 912. Truck Carriers—Revenue and Expenses, by Type of Carrier: 1967

[**Money figures in millions of dollars.** Covers only carriers with payroll not subject to Interstate Commerce Commission regulations. Based on a probability sample of all carriers with payroll in the "trucking, except with storage," industry; for details, see source]

TYPE OF CARRIER	ALL CARRIERS			CARRIERS REPORTING OPERATING REVENUE				
	Number	Operating revenue	Payroll, annual	Number	Revenue		Payroll, annual	Other expenses
					Total	Intercity service		
Total	**43,628**	**3,735**	**1,284**	**31,168**	**2,966**	**1,092**	**985**	**1,586**
General freight	5,240	647	277	4,792	626	238	270	299
Household goods	1,963	106	43	1,655	96	28	39	44
Sand and gravel	5,598	558	131	5,087	542	149	125	325
Garbage collection	4,499	319	118	3,850	300	11	111	139
Retail store delivery	894	57	28	778	54	12	27	18
Agriculture and other ICC exempt prod.	7,921	618	159	7,403	602	335	154	366
Other types	8,497	782	272	7,603	746	319	258	395

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1967*, Misc. Subjects, BC 67-SS8.

No. 913. Motortrucks, 1963 and 1967, and by Geographic Division, 1967

[**In thousands.** Includes private and commercial single unit trucks and combinations. Based on a probability sample of truck license holders; subject to sampling variability. For composition of divisions, see fig. I, p. xii]

ITEM	1963, total	1967, total	GEOGRAPHIC DIVISION, 1967								
			N.E.	M.A.	E.N.C.	W.N.C.	S.A.	E.S.C.	W.S.C.	Mt.	Pac.
Total	[1]**12,726**	[2]**15,360**	**560**	**1,485**	**2,370**	**1,983**	**2,097**	**1,202**	**2,234**	**1,136**	**2,293**
Size-class: [3] Light	8,853	11,318	384	933	1,615	1,331	1,567	924	1,821	908	1,834
Medium	1,128	2,098	94	233	381	389	234	158	234	121	255
Heavy	2,094	1,944	82	319	374	263	296	120	179	107	205
Range of operation: [4]											
Local	8,751	3,722	184	473	685	588	488	270	375	219	440
Short	895	623	32	85	103	82	89	49	82	35	65
Long	193	228	4	29	45	26	44	17	33	11	21
Major use:											
Agriculture	3,528	3,710	59	164	625	873	429	415	600	267	276
Personal	3,114	5,169	150	362	605	446	698	384	863	544	1,116
Wholesale and retail trade	1,164	1,887	105	280	329	195	305	123	224	82	243
Construction	1,198	1,444	89	180	261	144	212	84	169	80	225
Utilities and services	930	1,231	67	195	210	134	180	70	129	63	183

[1] Includes misc. trucks *not* classified. [2] Includes categories not shown separately.
[3] Standard classification for all States 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 20,000 lb.; Heavy—20,001 lb. or more.
[4] Excludes pickup and panel trucks. Local—in or around city and suburbs, or within a short distance of farm, factory, mine, or place vehicle is stationed. Short range—beyond the local area, but usually not more than 200 miles one way to most distant stop from place vehicle is stationed. Long range—usually more than 200 miles one way to most distant stop from place vehicle is stationed.

Source: U.S. Bureau of the Census, 1963 and 1967 Census of Transportation, vol. II, *Truck Inventory and Use Survey*.

No. 914. Railroads—Summary Statistics: 1940 to 1969

[As of December 31. 1950 excludes Alaska and Hawaii. Covers class I and II railroads, excluding switching and terminal companies, except as noted. Includes intercorporate duplications. See also *Historical Statistics, Colonial Times to 1957*, series Q 44-124]

ITEM	1940	1950	1960	1965	1967	1968	1969
Operating companies [1] ..... number	574	471	407	372	370	360	361
Mileage:							
Road owned, first track [2]	233,670	223,779	217,552	211,384	209,292	208,111	207,005
Track operated:							
Reporting railroads [3]	405,975	396,380	381,745	370,636	368,030	366,238	364,915
First track [3]	245,740	236,857	230,169	226,015	224,039	222,924	222,164
Other main tracks	41,373	40,456	34,800	31,113	30,387	30,002	29,564
Yardtrack and sidings	118,862	119,067	116,776	113,508	113,604	113,312	113,187
Operated by receivers or trustees	75,270	12,223	1,259	1,690	2,476	650	649
Equipment: [4]							
Locomotives in service ..... number	44,333	42,951	31,178	30,061	29,874	29,448	29,090
Average tractive effort [5] ..... pounds	50,905	57,075	61,314	63,096	65,267	[6] 1,799	[6] 1,866
Cars in service:							
Passenger-train ..... number	38,308	37,359	25,746	20,022	17,822	14,816	12,630
Freight train [7] 1,000	1,684	1,746	1,690	1,515	1,511	1,485	1,464
Average capacity [8] ..... tons	50.0	52.6	55.4	59.8	63.4	64.3	65.8
Capital and property investment: [9]							
Road and equipment, book value [10] ..... mil. dol	25,646	30,174	35,513	35,489	37,251	36,720	37,383
Depreciation reserve [11] ..... mil. dol	3,095	6,629	8,532	9,342	9,665	9,450	9,689
Capitalization outstanding [12] ..... mil. dol	21,047	18,274	16,134	14,857	14,690	14,577	14,701
Capital surplus and retained income ..... mil. dol	2,783	7,037	11,356	12,945	13,078	13,198	13,001
Stock paying dividends ..... mil. dol	3,741	6,769	5,617	4,845	4,728	4,629	4,347
Dividends declared ..... mil. dol	217	349	412	533	582	560	535
Interest accrued on funded debt ..... mil. dol	547	367	387	403	455	473	502
Income and expenses:							
Operating revenues ..... mil. dol	4,355	9,587	9,642	10,425	10,582	11,062	11,659
Operating expenses ..... mil. dol	3,132	7,135	7,657	8,003	8,359	8,724	9,209
Tax accruals ..... mil. dol	403	1,212	1,020	949	941	980	1,065
Net railway operating income ..... mil. dol	691	1,055	595	980	690	694	667
Net income [9] ..... mil. dol	243	855	473	866	[13] 368	[13] 623	[13] 517
Passenger service:							
Passenger revenue ..... mil. dol	418	815	641	556	489	447	442
Passengers carried ..... millions	456	488	327	306	304	301	302
Passenger-miles ..... millions	23,816	31,790	21,284	17,454	15,264	13,164	12,214
Commutation [8] ..... millions	3,997	4,990	4,197	4,128	4,281	4,383	4,546
Coach [8] ..... millions	12,485	17,443	13,422	11,069	9,329	7,559	6,601
Parlor and sleeping car [8] ..... millions	7,288	9,338	3,643	2,191	1,592	1,178	1,021
Revenue per passenger-mile ..... cents	1.76	2.56	3.01	3.19	3.20	3.39	3.62
Average journey per passenger ..... miles	52.22	65.14	65.05	57.07	50.21	43.68	40.49
Freight service:							
Freight revenue ..... mil. dol	3,584	7,934	8,152	9,037	9,329	9,942	10,538
Revenue-tons originated ..... millions	1,069	1,421	1,301	1,479	1,498	1,515	1,558
Tons carried one mile ..... millions	375,369	591,550	575,360	705,705	727,075	750,468	773,830
Revenue ton-miles per mile of road 1,000	1,526	2,497	2,497	3,121	3,238	3,386	3,457
Revenue per ton-mile ..... cents	0.955	1.341	1.417	1.281	1.283	1.325	1.362
Haul per ton, U.S. as a system ..... miles	351.13	416.32	442.14	477.15	485.21	495.37	496.82
Number of employees, average 1,000	1,046	1,237	793	655	624	602	590
Compensation of employees ..... mil. dol	1,991	4,645	4,957	4,887	5,026	5,197	5,451
Accidents: [14]							
Persons killed ..... number	4,740	3,398	2,248	2,399	2,483	2,359	2,299
Persons injured ..... number	29,606	33,255	19,577	25,789	24,523	24,608	23,356

[1] Includes unofficial companies and, through 1960, circular companies; see text, p. 534.
[2] Includes lessors, proprietary, unofficial and, through 1960, circular companies.
[3] Includes mileage in Canada.
[4] Includes switching and terminal companies, except average tractive effort and average capacity.
[5] For 1950, steam locomotives of class I railroads; beginning 1960, all locomotives of class I railroads.
[6] Represents horsepower. [7] Excludes caboose cars. [8] Class I railroads only. [9] Includes lessors.
[10] 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. Also includes proprietary companies. [11] Includes amortization applicable to proprietary companies.
[12] Comprises common stock, preferred stock, and funded debt unmatured.
[13] After extraordinary and prior period items. [14] Includes highway grade crossing casualties.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 1, annual, and *Accident Bulletin*, annual. Beginning 1968, accident data from U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

No. 915. Railroads, Class I Line-Haul—Revenues and Expenses: 1950 to 1971

[**In millions of dollars, except percent.** See text, p. 534, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1967*, series Q 103–117]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971 (prel.)
Operating revenues	9,473	10,106	9,514	10,208	10,855	11,450	11,982	12,790
Freight	7,817	8,538	8,025	8,836	9,750	10,346	10,913	11,786
Passenger	813	743	640	553	444	439	420	380
Mail	374	287	331	311	195	176	161	124
Express	81	118	100	77	44	28	22	11
Other	387	420	417	431	421	460	465	489
Operating expenses	7,059	7,646	7,565	7,850	8,581	9,067	9,650	10,231
Maintenance	2,995	3,175	2,952	3,011	3,320	3,493	3,782	4,211
Way and structures	1,287	1,387	1,192	1,236	1,405	1,498	1,612	1,817
Equipment	1,708	1,788	1,760	1,775	1,914	1,995	2,170	2,394
Traffic	192	235	258	262	274	279	285	291
Transportation, rail line	3,491	3,770	3,833	4,020	4,355	4,596	4,859	4,970
Miscellaneous operations	110	108	82	67	52	50	46	38
General	271	357	441	490	581	635	678	722
Net revenue from railway operations	2,414	2,466	1,951	2,358	2,278	2,384	2,332	2,559
Tax accruals	1,195	1,081	999	916	947	1,027	1,068	1,100
Operating income	1,219	1,385	952	1,442	1,331	1,357	1,264	1,459
Net railway operating income	1,040	1,128	584	962	678	655	487	606
Ratio of expenses to revenues (percent)	74.5	75.6	79.5	76.9	79.1	79.2	80.5	80.0
Expenditures for capital improvements	1,065	908	919	1,631	1,187	1,508	1,344	1,192
Equipment	779	568	634	1,304	819	1,089	987	878
Roadway and structures	286	340	286	327	369	420	356	314

No. 916. Railroads, Class I Line-Haul—Selected Passenger Statistics: 1950 to 1970

[See text, p. 534, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1967*, series Q 87–89]

ITEM	1950	1955	1960	1965	1968	1969	1970 (prel.)
Average miles of road operated	146,468	119,745	94,117	76,993	59,259	56,484	49,533
Passenger revenue ... mil. dol.	813	743	640	553	444	438	420
Revenue per passenger-mile:							
Incl. commutation passengers ... cents	2.56	2.60	3.01	3.18	3.38	3.60	3.90
Excl. commutation passengers ... cents	2.74	2.70	3.03	3.14	3.33	3.63	4.02
Revenue passengers carried ... millions	486	432	326	299	296	296	284
Revenue passenger-miles ... millions	31,760	28,525	21,258	17,389	13,120	12,169	10,770
Average distance ... miles	65.3	66.0	65.2	58.2	44.4	41.1	37.9
Revenue passenger-miles per train-mile	88.5	95.2	100.9	100.9	107.0	113.6	[1] 112.8
Revenue passenger-miles per car-mile	17.0	17.8	19.3	19.5	22.4	24.7	(NA)
Passenger-train miles ... millions	358	299	209	172	123	107	[1] 47
Passenger-carrying car-miles ... millions	1,870	1,602	1,101	885	581	489	(NA)
Train-miles per train-hour	37.4	39.8	40.7	41.3	41.0	41.0	[1] 40.3

NA Not available. [1] January–June.

No. 917. Railroads, Class I Line-Haul—Selected Freight Statistics: 1950 to 1971

[Excludes switching and terminal roads. Tons of 2,000 pounds. See text, p. 534, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1967*, series Q 93]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971
Average miles of road operated	225,605	222,901	219,381	212,133	211,181	210,986	209,401	209,293
Operating revenue ... mil. dol.	7,817	8,538	8,025	8,836	9,755	10,320	10,913	11,786
Per ton-mile ... cents	1.33	1.37	1.40	1.27	1.31	1.35	1.43	1.59
Per ton per road ... dollars	3.04	3.25	3.51	3.48	3.76	3.86	4.18	4.79
Revenue-tons:								
Originated ... millions	1,354	1,393	1,241	1,387	1,431	1,473	1,485	(NA)
Carried ... millions	2,570	2,618	2,291	2,539	2,596	2,671	2,614	2,459
Carried 1 mile ... millions	588,578	623,615	572,309	697,736	744,479	767,867	762,544	739,391
Average distance ... miles	229.0	237.6	250.9	274.8	286.8	287.5	291.7	300.7
Train miles ... millions	515	476	405	421	429	433	427	430
Train car-miles, loaded [1] ... millions	19,644	20,099	17,287	17,885	17,825	17,965	17,300	16,501
Empty ... millions	10,140	11,054	10,872	11,420	12,253	12,366	12,627	12,680
Net ton-miles per train-mile [1]	1,224	1,374	1,466	1,685	1,768	1,804	1,820	1,751
Net ton-miles per loaded car-mile [1]	31.7	32.0	33.9	39.7	42.6	43.5	44.9	45.6
Train-miles per train-hour	16.8	18.6	19.5	20.1	20.4	20.1	20.1	20.4

NA Not available. [1] Revenue and nonrevenue freight.

Source of tables 915–917: U.S. Interstate Commerce Commission, *Annual Report*, and *Transport Statistics in the United States*, Part 1, related monthly and quarterly reports; and unpublished data.

No. 918. Railroad Companies, by Class: 1950 to 1969

[Prior to 1960, excludes Alaska and Hawaii. See text, p. 534, for explanation of class limits]

CLASS OF COMPANY	1950	1955	1960	1965	1966	1967	1968	1969
Total	[1] 1,038	[1] 935	[1] 842	763	758	753	738	721
Class I line-haul operating	127	126	106	76	76	76	75	73
Lessors to class I	179	155	128	116	116	115	115	112
Class II line-haul operating	171	155	304	302	302	298	287	282
Lessors to class II	6	8	8	15	15	15	14	14
Switching and terminal [2]	253	237	221	205	202	202	197	193
Proprietary [3]	100	67	53	45	44	44	44	41
Unofficial	9	6	1	4	3	3	6	6

[1] Includes class III railroads for 1950 and 1955, and circular railroads through 1960, not shown separately.
[2] Includes operating, lessor, proprietary, and unofficial companies, and through 1960, circular.
[3] Excludes those in systems which file consolidated reports combining mileage, investment, and other items on a net system basis.

Source: U.S. Interstate Commerce Commission, *Statistics of Railways in the United States*, annual, and, beginning 1955, *Transport Statistics in the United States*, Part 1, annual.

No. 919. Railroads—Equipment in Service: 1950 to 1969

[Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series Q 53-65]

ITEM	1950	1955	1960	1965	1967	1968	1969
Locomotives	42,951	33,533	31,178	30,061	29,874	29,448	29,090
Steam	26,680	6,266	374	89	67	–	–
Electric	827	639	498	365	324	307	278
Diesel	15,396	26,563	30,240	29,552	29,428	29,031	28,711
Other	48	65	66	55	55	110	101
New units installed [1]	3,215	1,097	389	1,387	987	479	601
Freight cars [2] 1,000	1,746	1,724	1,690	1,515	1,510	1,485	1,464
Box 1,000	718	724	700	593	577	598	597
Gondola and hopper 1,000	875	846	831	754	755	745	726
Other 1,000	153	154	159	168	179	142	141
Aggregate capacity [1] ..... 1,000 tons	90,465	91,229	91,948	88,323	93,669	93,549	94,346
Average capacity [1] ..... tons	52.6	53.7	55.4	59.8	63.4	64.3	65.8
New units installed [1]	40,032	29,070	54,032	62,859	60,289	41,228	37,842
Passenger-train cars	37,359	32,118	25,746	20,022	17,822	14,816	12,630
Coaches	16,488	13,543	10,287	8,086	7,468	6,868	6,680
Average seating capacity [1]	75	75	76	76	81	85	87
Nonpassenger (baggage, express, etc.)	13,817	13,388	10,077	8,411	7,431	6,594	4,082
Other	7,054	5,187	5,382	3,525	2,923	1,354	1,868
New units installed [1]	1,078	412	251	666	146	65	240

– Represents zero. [1] Class I railroads. [2] Excludes caboose cars.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 1, annual.

No. 920. Railroads, Class I Line-Haul—Fuel and Power Consumed and Rails and Ties Laid: 1950 to 1969

[See text, p. 534, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1957*, series Q 128-137]

ITEM	1950	1955	1960	1965	1967	1968	1969
Fuel and power consumed:							
Coal ..... 1,000 short tons	55,452	11,427	39	4	2	2	1
Fuel oil ..... mil. gal	2,284	376	89	77	47	42	33
Diesel oil ..... mil. gal	1,827	3,393	3,472	3,742	3,889	3,922	3,924
Electricity ..... mil. kw.-hr	2,260	2,082	1,641	1,509	1,411	1,317	1,149
Rails and ties laid: [1]							
Rails ..... 1,000 short tons	2,628	2,099	1,066	1,167	1,171	1,228	1,351
Ties:							
Crossties 1,000	33,091	27,173	16,417	16,982	17,458	19,006	20,088
Switch and bridge ties ..... 1,000 board ft	118,091	99,886	63,373	61,739	62,713	61,729	61,856

[1] New and used rails and ties used in replacement, additional tracks, new lines, and extensions.

Source: U.S. Interstate Commerce Commission, *Annual Report* and *Transport Statistics in the United States*, Part 1.

No. 921. Railroads—Miles of Road Owned, by Geographic Division: 1940 to 1969

[As of December 31. Data are for actual length of line owned by line-haul companies in each State without duplication. For composition of divisions, see fig. I, p. xii]

DIVISION	1940	1950	1960	1969	DIVISION	1940	1950	1960	1969
U.S.	234,398	224,371	217,552	207,005	South Atlantic	29,475	27,924	27,362	25,915
New England	6,677	6,396	6,088	5,561	E. South Central	16,179	15,574	15,233	14,975
Middle Atlantic	20,175	19,180	17,469	15,868	W. South Central	31,497	29,771	28,341	26,704
E. North Central	41,281	39,851	38,949	37,464	Mountain	23,518	22,101	21,355	20,471
W. North Central	48,293	47,108	46,367	44,574	Pacific	17,303	16,466	16,388	15,473

Source: U.S. Interstate Commerce Commission, *Statistics of Railways in the United States*, annual, and, beginning 1960, *Transport Statistics in the United States*, Part 1, annual.

No. 922. Railroads, Class I—Cars of Revenue Freight Loaded, 1940 to 1971, and by Commodity Group, 1971

[**In thousands.** Figures are 52-week totals. See text, p. 534, for explanation of class limits. "n.e.c." means not elsewhere classified]

Year	Total	Cars loaded[1]	COMMODITY GROUP	Number, 1971	COMMODITY GROUP	Number, 1971
1940	36,358	(NA)	Coal	4,495	Grain mill products	949
1950	38,903	(NA)	Metallic ores	1,740	Lumber and wood prod., n.e.c.[2]	776
1955	37,636	168	Crushed stone, gravel and sand	1,371	Waste and scrap materials	710
1960	30,441	554	Chemicals and allied products	1,363	Farms products, except grain	705
1965	29,248	1,034	Grain	1,294	Petroleum products	485
1966	29,623	1,163	Food and kindred prod., n.e.c.	1,245	Nonmetallic minerals, n.e.c.	481
1967	28,084	1,207	Primary forest products	1,218	Coke	373
1968	28,253	1,337	Metals and products	1,193	Forwarder and shipper association traffic	306
1969	28,237	1,344	Motor vehicles and equipment	1,170	All other carloads	3,233
1970	27,160	1,257	Pulp, paper, and allied products	1,170	Less than carload	28
1971	25,261	1,197	Stone, clay, and glass products	955		

NA Not available. [1] With highway trailers. [2] Except furniture.

Source: Association of American Railroads, Washington, D.C., *Cars of Revenue Freight Loaded*, annual; *Revenue Freight Loaded by Commodities*, weekly; and *Total Received from Connections*, weekly.

No. 923. Class I Railroads, 1970, and Motor Carriers of Property, 1969, Revenue Freight Originated, by Commodity Group

[**Carloads and tons in thousands) revenue in millions of dollars.** See text, p. 534, for explanation of class limits]

COMMODITY GROUP	RAILROADS, 1970			MOTOR CARRIERS, 1969		
	Carloads	Tons	Revenue[1]	Truckloads	Tons	Revenue[1]
Total	**27,015**	**1,484,919**	**$11,388**	**18,259**	**404,352**	**$8,142**
Farm products	2,374	134,185	1,068	349	6,957	89
Metallic ores	1,602	126,658	333	42	1,090	5
Coal	5,296	404,622	1,381	25	538	1
Nonmetallic minerals, except fuels	2,204	163,349	409	342	7,646	28
Ordnance and accessories	76	3,479	129	46	825	44
Food and kindred products	2,706	110,067	1,363	1,481	25,483	469
Basic textiles	60	1,182	33	266	3,605	84
Lumber and wood products, ex. furniture	2,048	101,901	832	248	4,592	48
Furniture and fixtures	196	1,670	88	49	475	18
Pulp, paper and allied products	1,197	42,498	730	686	10,144	182
Printed matter	27	727	20	151	2,147	49
Chemicals and allied products	1,576	91,645	1,137	2,098	37,645	537
Petroleum and coal products	699	36,270	305	4,428	106,214	345
Rubber and misc. plastic products	238	3,806	115	306	3,672	110
Stone, clay and glass products	1,231	71,086	512	1,529	31,201	198
Primary metal products	1,486	82,197	813	1,803	32,756	440
Fabricated metal products[2]	399	11,284	210	482	6,119	125
Machinery, except electrical	201	4,627	149	459	5,968	195
Electrical mchy., equip. and supplies	313	4,051	157	256	2,857	97
Transportation equipment	1,059	24,172	734	2,193	24,062	516
Waste and scrap materials	806	39,811	232	78	1,472	15
Freight forwarder traffic	274	4,707	166	84	918	25
Small packaged shipments	(X)	809	36	(X)	75,386	4,256
Other	949	20,118	435	857	12,578	265

X Not applicable. [1] Gross. [2] Except ordnance, machinery, and transport.

Source: U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class 1 Railroads in the United States*, annual, and *Class 1 Motor Carriers, Property Operating in Intercity Service*, annual.

No. 924. Railroads—Employees, Hours, and Compensation: 1950 to 1970

[Excludes switching and terminal roads. See also *Historical Statistics, Colonial Times to 1957*, series Q 141-142]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970
Classes I and II line-haul railroads: [1]								
Employees, average ... 1,000	[2] 1,237	[2] 1,071	793	655	624	602	590	(NA)
Compensation of employees, ... mil. dol	[2] 4,645	[2] 5,045	4,957	4,887	5,026	5,197	5,451	(NA)
Class I line-haul railroads: [1]								
Employees, average ... 1,000	1,220	1,058	780	640	610	591	578	566
Man-hours paid for ... mil	2,877	2,503	1,841	1,565	1,466	1,442	1,414	1,379
Average hours per employee	2,357	2,366	2,358	2,445	2,403	2,442	2,446	2,436
Compensation of employees:								
Total ... mil. dol	4,594	4,992	4,894	4,793	4,934	5,111	5,363	5,557
Average per hour ... dol	1.60	2.00	2.66	3.06	3.36	3.54	3.79	4.03
Average per year ... dol	3,765	4,719	6,270	7,490	8,085	8,654	9,279	9,818

NA Not available. [1] See text, p. 534, for explanation of class limits. [2] Excludes Alaska and Hawaii.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 1, annual, and related monthly and quarterly reports.

No. 925. Railroad Accidents—Persons Killed and Injured, by Type of Accident: 1950 to 1970

[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 Federal Railroad Administration. See also *Historical Statistics, Colonial Times to 1957*, series Q 143-144]

TYPE OF ACCIDENT	1950	1955	1960	1965	1967	1968	1969	1970
Killed, number	**3,398**	**2,667**	**2,248**	**2,399**	**2,483**	**2,359**	**2,299**	**2,225**
Injured, number	**33,255**	**27,832**	**19,577**	**25,789**	**24,523**	**24,608**	**23,356**	**21,327**
Train: Killed	336	259	156	191	170	142	203	210
Injured	2,315	1,183	847	864	754	1,293	1,173	627
Train services: Killed	2,921	2,316	2,042	2,136	2,238	2,141	2,011	1,936
Injured	19,454	16,856	12,877	16,577	15,888	15,500	14,986	13,878
Nontrain: Killed	141	92	50	72	75	76	85	79
Injured	11,486	9,793	5,853	8,348	7,881	7,815	7,197	6,822

Source: 1950-1965, U.S. Interstate Commerce Commission, *Accident Bulletin*, annual; thereafter, U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

No. 926. Highway Grade Crossings—Number and Accidents: 1950 to 1970

[Prior to 1960, excludes Alaska and Hawaii. Covers all railroads, except as noted. See also headnote, table 925. See also *Historical Statistics, Colonial Times to 1957*, series Q 125-127]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970
Highway grade crossings [1]	227,364	226,318	224,513	215,961	213,723	211,993	211,740	(NA)
Specially protected [2]	35,968	39,060	42,267	44,333	45,213	45,502	45,961	(NA)
Eliminated by separation of grades	61	84	102	59	132	207	49	(NA)
Accidents, number [3]	4,000	3,846	3,195	3,820	3,932	3,816	3,774	3,559
Persons killed [3]	1,576	1,446	1,364	1,534	1,632	1,546	1,490	1,440
Persons injured [3]	4,368	4,014	3,424	3,801	3,812	3,774	3,669	3,336
Involving motor vehicles: [4]								
Persons killed	1,393	1,313	1,254	1,434	1,503	1,424	1,362	1,337
Persons injured	4,206	3,886	3,277	3,663	3,703	3,645	3,556	3,205

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.
[3] Excludes nontrain accidents. [4] Excludes motorcycles.

Source: U.S. Interstate Commerce Commission, *Accident Bulletin*, annual, and *Transport Statistics in the United States*, Part 1, annual (formerly *Statistics of Railways in the United States*). Beginning 1967, accident data from U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

No. 927. Petroleum Pipeline Companies—Summary: 1950 to 1970

[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 342-344 for miles of line operated and oil originated]

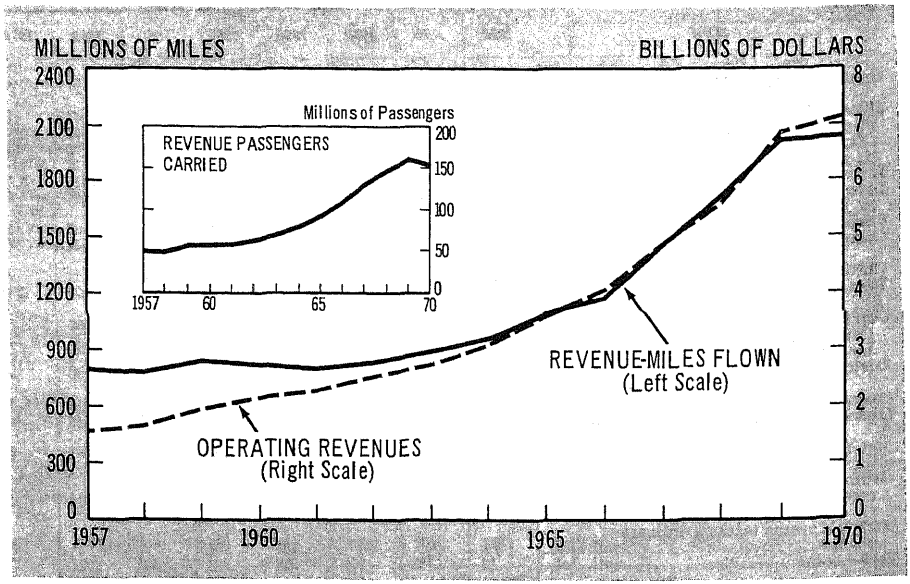
ITEM	1950	1955	1960	1965	1967	1968	1969	1970
Companies reporting.....number..	76	84	87	89	90	97	99	101
Miles of line operated.....1,000..	129	140	152	161	165	169	171	176
Gathering lines.....1,000..	48	51	49	47	47	48	46	47
Trunk lines.....1,000..	81	90	103	115	118	122	125	129
Investment in carrier property...mil. dol..	1,656	2,586	3,300	4,178	4,745	5,139	5,379	5,786
Investments and special funds...mil. dol..	101	81	114	59	110	125	147	250
Cash.....mil. dol..	65	94	94	110	102	101	107	104
Current assets.....mil. dol..	192	353	393	555	519	562	644	628
Current liabilities.....mil. dol..	126	185	187	301	354	431	441	480
Retained income.....mil. dol..	219	432	701	835	873	950	1,037	1,124
Capitalization.....mil. dol..	660	1,282	1,439	1,635	1,943	2,130	2,267	2,517
Capital stock.....mil. dol..	236	331	384	382	405	431	444	450
Long-term debt.....mil. dol..	424	951	1,056	1,253	1,538	1,698	1,823	2,068
Dividends declared.....mil. dol..	51	101	143	197	229	179	180	217
Operating revenues.....mil. dol..	442	678	770	904	995	1,023	1,103	1,188
Operating expenses [1].....mil. dol..	255	347	418	515	564	597	643	672
Net carrier operating income.....mil. dol..	(2)	(2)	(2)	389	430	426	461	516
Other income and deductions....mil. dol..	(2)	(2)	(2)	−39	−53	−53	−71	−75
Ordinary income before income taxes.....mil. dol..	(2)	(2)	(2)	349	.377	373	390	440
Federal income taxes on ordinary income.....mil. dol..	(2)	(2)	(2)	131	124	112	125	136
Net income.....mil. dol..	81	153	169	218	[3] 261	262	273	312
Oil transported:								
Total received into system.....mil. bbl..	2,766	4,058	4,783	5,868	6,814	7,289	7,755	8,164
From connecting carriers....mil. bbl..	944	1,434	1,636	1,620	1,761	1,883	2,034	2,146
Crude oil.....mil. bbl..	879	1,299	1,402	1,385	1,456	1,531	1,638	1,730
Products.....mil. bbl..	65	134	234	235	305	352	396	416
Originated.....mil. bbl..	1,822	2,624	3,147	4,247	5,052	5,407	5,721	6,018
Crude oil.....mil. bbl..	1,525	2,038	2,239	2,618	3,017	3,203	3,405	3,568
Products.....mil. bbl..	297	586	909	1,629	2,035	2,203	2,316	2,449
Total delivered out of system..mil. bbl..	2,740	4,039	4,783	5,864	6,800	7,269	7,745	8,147
To connecting carriers.....mil. bbl..	937	1,444	1,639	1,757	1,890	2,048	2,243	2,320
Crude oil.....mil. bbl..	874	1,329	1,400	1,361	1,423	1,528	1,696	1,767
Products.....mil. bbl..	63	115	240	396	467	520	546	553
Terminated.....mil. bbl..	1,803	2,595	3,144	4,107	4,910	5,221	5,499	5,827
Crude oil.....mil. bbl..	1,510	1,992	2,253	2,641	3,047	3,188	3,336	3,521
Products.....mil. bbl..	293	603	891	1,466	1,863	2,033	2,164	2,306
Trunk line movement:								
Crude oil.....mil. bbl..	1,977	2,781	3,091	3,505	3,886	4,273	4,446	4,756
Products.....mil. bbl..	360	717	1,124	1,872	2,339	2,560	2,719	2,864
Barrel-miles, trunk lines:								
Crude oil.....bil..	577	839	976	1,121	1,207	1,270	1,322	1,428
Products.....bil..	107	205	304	627	925	952	995	1,021
Employees, average.....1,000..	26	25	21	17	16	16	16	15
Compensation of employees.....mil. dol..	115	142	151	141	145	153	159	162

[1] Includes pipeline taxes; excludes Federal income taxes.
[2] Years prior to 1965 based on a different system of accounts; therefore, comparable data not available.
[3] After extraordinary and prior period items.

Source: U.S. Interstate Commerce Commission, *Statistics of Oil Pipeline Companies*, annual; and, beginning 1955, *Transport Statistics in the United States*, Part 6, annual.

FIG. XL. DOMESTIC SCHEDULED AIR CARRIERS—REVENUES, MILES FLOWN, AND PASSENGERS CARRIED: 1957 TO 1970

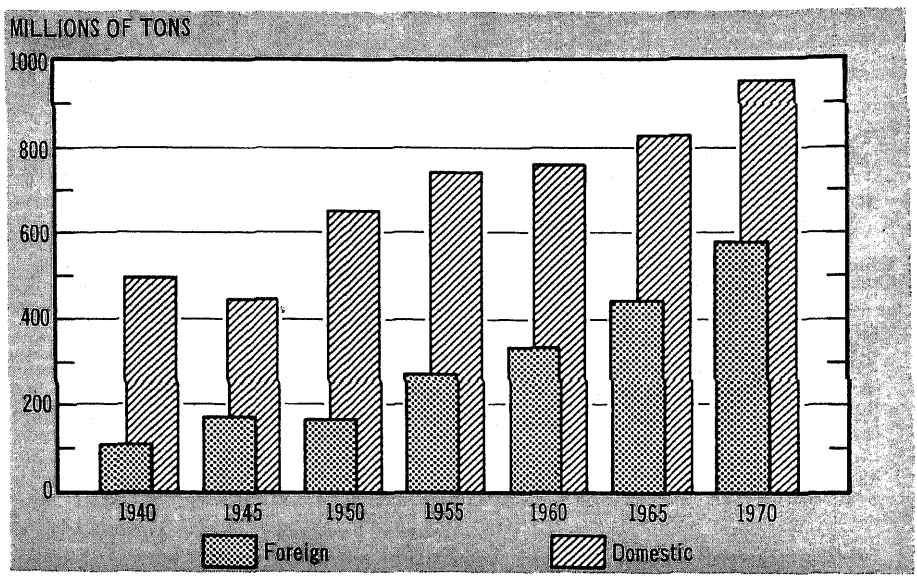
[See tables 928 and 932]



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Federal Aviation Administration.

FIG. XLI. WATERBORNE COMMERCE OF THE UNITED STATES: 1940 TO 1970

[See table 941]



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Corps of Engineers.

Section 22

Transportation—Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. The principal sources of these data are the annual *FAA Statistical Handbook of Aviation*, issued by the Federal Aviation Administration; the annual *Waterborne Commerce of the United States* and the *Annual Report of the Chief of Engineers*, Part 2, issued by the Corps of Engineers of the Department of the Army; the monthly and annual *U.S. Waterborne Foreign Trade*, and *U.S. Airborne Foreign Trade*, issued by the Bureau of the Census; and the annual *Merchant Marine Statistics*, issued by the Bureau of Customs.

Data on air transportation are also presented in *Air Transport Facts and Figures*, published annually by the Air Transport Association of America, Washington, D.C. Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets*, issued periodically by the Maritime Administration of the Department of Commerce; *The Bulletin*, issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Launched in the World* and the *Register Book* published by Lloyd's Register of Shipping, London, England. The 1821 through 1946, the 1946–1963, the 1964, and the 1965 issues of *Foreign Commerce and Navigation of the United States*, published by the Bureau of the Census, are basic sources of historical data. Data relating to merchandise exports and imports are in section 30 of this *Abstract*, Foreign Commerce and Aid.

Civil aviation.—Federal promotion and regulation of civil aviation are carried out by the Federal Aviation Administration and the Civil Aeronautics Board. The Board issues certificates permitting persons to engage in air transportation as a business, fixes air mail rates which they may charge, and may establish maximum and minimum rates for transportation of passengers and goods. It also has the duty of investigating accidents in air transportation.

The principal activities of the Federal Aviation Administration are: Controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment for the airways; and promotion of air safety.

These agencies publish annual operational data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the activity volume in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

Air carriers and service.—The term *certificated route air carrier* refers to air carriers holding certificates of public convenience and necessity, issued by the Civil Aeronautics Board, authorizing the performance of scheduled air transportation over specified routes and a limited amount of nonscheduled operations. This general carrier grouping includes the all-purpose carrier (i.e., the so-called passenger/cargo carriers) and the all-cargo carriers, and comprises all of the airlines certificated by the board, except the supplemental air carriers. Certificated route air carriers are often referred to as "scheduled airlines," although they also perform nonscheduled service. *Nonscheduled service* comprises revenue flights that are not operated in regular scheduled service, such as charter flights, and all nonrevenue flights incident to such flights. *Scheduled service* is transport service operated over an air carrier's certificated routes, based on published flight schedules, including extra sections and related nonrevenue flights.

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft, except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States whether or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at which clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels entering or clearing without commercial cargo and vessels touching at a United States port in distress, or for other temporary causes without discharging cargo, are not included in the figures.

Units of measurement.—Cargo tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, shipping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

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

No. 928. Scheduled Air Carriers—Number, Operating Revenues, and Expenses: 1955 to 1970

[**In millions of dollars, except number of carriers.** 1955 not exactly comparable with later years. See also headnote, table 932]

ITEM	1955	1960	1965	1966	1967	1968	1969	1970
DOMESTIC								
Number of air carriers [1]	42	42	40	40	39	38	33	33
Revenues	**1,215**	**2,129**	**3,609**	**4,070**	**4,887**	**5,606**	**6,857**	**7,131**
Passenger	1,065	1,860	3,142	3,534	4,260	4,913	5,943	6,246
Mail (including subsidy)	61	113	158	162	170	186	223	205
Express and freight	62	103	220	251	287	343	432	461
Other	27	53	89	123	169	164	259	219
Expenses	**1,091**	**2,091**	**3,165**	**3,589**	**4,476**	**5,298**	**6,533**	**7,128**
Aircraft	559	1,043	1,811	2,008	2,502	2,949	3,647	3,970
Flying operations	328	601	855	974	1,229	1,505	1,918	2,098
Direct maintenance flight equipment	138	258	640	680	832	912	1,041	1,127
Depreciation and amortization of flight equipment	93	184	316	353	441	532	688	745
Ground and indirect	532	1,048	1,354	1,582	1,974	2,349	2,886	3,157
Net operating income	**124**	**38**	**443**	**481**	**411**	**309**	**324**	**3**
INTERNATIONAL								
Number of air carriers [1]	9	13	10	10	10	9	6	6
Revenues	**398**	**685**	**1,199**	**1,474**	**1,770**	**1,950**	**1,689**	**1,914**
Passenger	300	528	887	995	1,166	1,309	1,176	1,380
Mail (including subsidy)	30	48	82	132	145	127	92	103
Express and freight	33	59	131	150	164	186	186	197
Other	35	51	99	198	295	328	235	234
Expenses	**380**	**639**	**1,001**	**1,221**	**1,497**	**1,748**	**1,638**	**1,894**
Aircraft	181	304	509	634	792	920	832	944
Flying operations	115	180	263	329	424	495	456	515
Direct maintenance flight equipment	37	58	146	181	212	244	219	241
Depreciation and amortization of flight equipment	29	66	100	124	156	181	157	188
Ground and indirect	200	336	493	586	705	828	806	950
Net operating income	**18**	**45**	**198**	**254**	**273**	**202**	**51**	**19**

[1] Includes all cargo carriers. Each airline counted only in group in which greater portion of its operations prevailed.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Data from Civil Aeronautics Board.

No. 929. Civil Flying—Summary: 1960 to 1971

[As of Dec. 31 or for years ending Dec. 31. General aviation flying excludes civil flying performed by public carriers—scheduled, supplemental, contract, or intrastate. See also *Historical Statistics, Colonial Times to 1957*, series Q 376–383 and Q 394–397]

ITEM	1960	1965	1967	1968	1969	1970	1971
Airports in operation [1]	6,881	9,566	10,126	10,470	11,050	11,261	12,070
Public [2]	2,780	3,570	3,830	3,986	4,155	4,260	4,418
Private [2]	4,101	5,996	6,296	6,484	6,895	7,001	7,652
Lighted airports	2,133	2,878	3,149	3,312	3,430	3,554	3,759
Airports with paved runways	1,893	2,747	3,109	3,353	3,650	3,805	4,176
Miles of Federal airways [3] ... 1,000	178.9	141.9	133.6	137.4	138.5	140.4	142.2
Federal aid to airports: [3]							
Cumulative since 1946 ... mil. dol.	1,184	1,887	2,193	2,362	2,447	2,453	(NA)
Federal funds ... mil. dol.	573	935	1,090	1,165	1,198	1,199	(NA)
Sponsor funds ... mil. dol.	611	952	1,103	1,197	1,249	1,254	(NA)
Annual Federal funds ... mil. dol.	(NA)	362	72	75	33	1	(NA)
Annual sponsor funds ... mil. dol.	(NA)	341	69	94	52	5	(NA)
Total civil aircraft [3 4] ... mil.	111.6	142.1	166.6	179.3	190.7	154.5	(NA)
Eligible aircraft ... mil.	78.8	97.7	116.8	127.2	133.8	134.5	(NA)
Air carriers, total [5] ... mil.	2.2	2.3	2.6	2.9	3.0	2.8	(NA)
General aviation aircraft ... mil.	76.5	95.4	114.2	124.2	130.8	131.7	(NA)
Fixed-wing aircraft:							
Multi-engine ... mil.	7.2	12.0	14.7	16.8	18.1	18.4	(NA)
Single-engine, 4-place and over ... mil.	34.8	49.8	56.9	61.0	63.7	64.6	(NA)
Single-engine, 3-place and less ... mil.	33.5	31.4	39.7	42.8	45.0	44.9	(NA)
Rotorcraft [6] ... mil.	.6	1.5	1.9	2.4	2.6	2.2	(NA)
Other [7] ... mil.	.4	.8	1.1	1.3	1.4	1.6	(NA)
Active airman certificates held [8] ... 1,000	549	719	894	972	990	1,022	1,048
Pilot [9] ... 1,000	348	480	618	692	720	733	741
Airline transport ... 1,000	18	22	26	29	31	34	36
Commercial ... 1,000	90	117	150	164	177	187	192
Private ... 1,000	139	196	253	282	299	304	313
Student ... 1,000	99	139	181	209	204	196	186
Hours flown (general aviation) ... 1,000	13,121	16,733	22,153	24,053	25,351	26,031	(NA)
Business [10] ... 1,000	5,699	5,857	6,578	6,976	7,064	7,204	(NA)
Commercial [11] ... 1,000	2,365	3,348	3,918	4,810	4,928	6,849	(NA)
Instructional ... 1,000	1,828	3,346	6,262	6,494	7,023	4,524	(NA)
Personal ... 1,000	3,172	4,016	5,173	5,532	5,999	6,896	(NA)
Other ... 1,000	57	166	222	241	337	557	(NA)
Miles flown (general aviation) ... mil.	1,769	2,562	3,440	3,701	3,926	3,207	(NA)
Business [10] ... mil.	881	1,204	1,431	1,406	1,426	1,134	(NA)
Commercial [11] ... mil.	299	461	569	666	723	791	(NA)
Instructional ... mil.	194	359	713	814	910	450	(NA)
Personal ... mil.	387	512	691	777	829	753	(NA)
Other ... mil.	8	26	36	37	38	79	(NA)
Fuel consumed (general aviation):							
Gasoline ... mil. gal.	242	292	396	495	522	551	(NA)
Jet fuel ... mil. gal.	–	56	100	115	168	208	(NA)
Domestic air cargo, revenue ton-miles flown [12] ... mil.	724	1,661	2,167	2,327	2,769	2,581	2,735
Scheduled carriers ... mil.	476	1,112	1,498	1,775	2,126	2,216	2,275
Nonscheduled carriers [13] ... mil.	135	330	404	248	365	80	164
Supplemental carriers [14] ... mil.	112	220	264	305	278	285	296
Aircraft accidents [15]	4,883	5,279	6,185	5,040	4,830	4,695	4,733
Air carrier, exc. commercial operators	90	83	70	72	63	55	47
Fatal	17	9	12	16	10	8	8
Fatalities	499	261	286	351	158	146	203
General aviation	4,793	5,196	6,115	4,968	4,767	4,640	4,686
Fatal	429	538	603	692	647	622	651
Fatalities	787	1,029	1,228	1,399	1,495	1,254	1,322
Hijacking incidents	–	5	–	35	87	38	(NA)
U.S.-registered aircraft	–	4	–	22	40	11	(NA)
Successful	–	1	–	18	33	8	(NA)
Unsuccessful	–	3	–	4	7	3	(NA)
Foreign-registered aircraft	–	1	–	13	47	27	(NA)
Successful	–	–	–	12	37	19	(NA)
Unsuccessful	–	1	–	1	10	8	(NA)

– Represents zero. NA Not available.

[1] Existing airports and airfields recorded with FAA. Includes military airports with joint civil and military use. Beginning 1960, includes Puerto Rico, American Samoa, Canton, Guam, Virgin Islands, and Wake Island.

[2] Airport type definitions: Public—public use and public services, public control; Private—(a) public use and public services, private control, and (b) no public services, private control, military control, or Federal Government control. [3] Includes outlying areas of the U.S. [4] Includes gliders, dirigibles, and balloons.

[5] Registered, not necessarily in operation. Includes helicopters.

[6] Includes autogiros; excludes air carrier helicopters. [7] Includes gliders, blimps, and balloons.

[8] Includes nonpilot technicians and flight instructors, not shown separately.

[9] Includes helicopter, glider, and other pilots, not shown separately.

[10] Corporation and individual business transportation, not for hire.

[11] Passenger and cargo transportation for hire, aerial application (crop dusting, spraying, seeding, etc.), patrol, survey, and other miscellaneous work use. [12] Comprises express and freight ton-miles.

[13] Includes some military ton-miles and may include a small amount of international traffic.

[14] Civil and military. [15] Beginning 1968, data not strictly comparable due to change of definition.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Includes data from U.S. Civil Aeronautics Board and U.S. National Transportation Safety Board.

No. 930. Civil Aircraft, and Federal-Aid Airport Program, 1970, and Airports, 1971, by States and Other Areas

[As of December 31, except as noted]

State or other area	1970 Active aircraft, civil [1]	1970 Federal-aid airport program [2] (mil. dol.) Total	1970 Federal-aid airport program [2] (mil. dol.) Federal funds	Airports 1971 [3] Public	Airports 1971 [3] Private
Total	**134,539**	**2,452.6**	**1,198.6**	**4,418**	**7,652**
Ala	1,750	39.6	20.0	90	40
Alaska	2,554	69.2	44.5	537	225
Ariz	2,399	31.2	17.4	104	105
Ark	1,625	22.8	11.4	73	78
Calif	17,400	222.4	106.3	277	469
Colo	2,331	37.9	19.8	74	143
Conn	1,158	19.6	9.6	14	72
Del	378	2.0	1.0	2	23
D.C	18	–	–	5	2
Fla	5,723	106.1	50.0	114	209
Ga	3,075	85.2	40.9	107	111
Hawaii	264	45.9	15.2	23	35
Idaho	1,151	10.6	5.9	122	47
Ill	5,761	150.2	69.6	82	570
Ind	3,305	42.2	20.4	65	134
Iowa	2,582	35.8	17.5	109	132
Kans	3,093	20.6	10.1	119	176
Ky	1,044	43.0	21.5	47	26
La	2,252	48.1	23.3	70	170
Maine	633	10.8	5.4	42	106
Md	1,814	21.1	10.6	20	71
Mass	1,997	48.8	23.7	26	90
Mich	5,526	76.7	35.6	129	247
Minn	3,404	52.5	25.3	139	127
Miss	1,479	24.5	12.2	71	59
Mo	2,964	69.6	33.2	102	211
Mont	1,390	21.1	11.1	117	63
Nebr	1,710	26.6	12.7	90	186
Nev	915	20.0	12.2	52	52
N.H	531	6.2	3.0	16	38
N.J	3,085	48.9	20.9	27	162
N. Mex	1,330	15.1	8.4	65	64
N.Y	5,081	184.9	83.1	68	376
N.C	2,484	40.9	20.5	61	170
N. Dak	1,030	13.2	6.3	90	101
Ohio	5,876	84.0	41.1	102	389
Okla	2,878	54.9	27.5	115	150
Oreg	2,440	26.0	13.8	98	157
Pa	4,471	121.1	59.4	68	443
R.I	196	10.3	5.2	7	7
S.C	1,093	18.6	9.3	59	57
S. Dak	930	12.2	6.4	70	44
Tenn	1,869	59.7	29.8	69	44
Texas	10,431	139.8	69.7	266	862
Utah	749	19.7	12.1	54	31
Vt	238	4.7	2.3	13	32
Va	1,924	33.1	16.4	52	140
Wash	3,467	38.2	18.9	105	151
W. Va	692	25.8	11.8	23	23
Wis	2,608	47.7	22.4	100	174
Wyo	605	9.1	5.2	41	43
Other areas [4]	836	34.4	18.7	27	15

– Represents zero. [1] Includes gliders, dirigibles, and balloons.
[2] Cumulative since enactment of Federal Airport Act, May 16, 1946, through Dec. 31, 1970.
[3] Includes military airports with joint civil and military use.
[4] Comprises Puerto Rico, American Samoa, Canton, Guam, Virgin Islands, and Wake Island.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual.

No. 931. Scheduled Air Carriers—Available Service and Traffic Carried: 1950 to 1971

[In millions, except percent]

Item	1950	1955	1960	1965	1968	1969	1970	1971
Revenue ton-miles, all services	**1,398**	**3,088**	**5,024**	**9,895**	**18,114**	**19,989**	**20,186**	**20,906**
Revenue ton-miles, scheduled service	1,359	2,982	4,729	8,985	15,249	16,898	18,166	18,685
Passenger [1]	1,014	2,397	3,777	6,672	11,071	12,197	13,171	13,565
U.S. mail: Priority	69	128	202	372	582	577	606	596
Nonpriority		15	39	111	675	758	864	718
Foreign mail	5	8	9	10	11	11	10	11
Express	38	51	59	90	105	109	107	83
Freight	233	383	643	1,730	2,805	3,246	3,408	3,712
Revenue ton-miles, charter (passenger and cargo)	40	106	296	909	2,865	3,091	2,020	2,220
Available ton-miles, all services	2,426	5,289	9,384	19,661	37,223	42,779	44,298	47,224
Ton-mile load factor ... percent	57.6	58.4	53.5	50.3	48.7	46.7	45.6	44.3
Revenue passenger-miles, scheduled service	10,243	24,351	38,863	68,677	113,958	125,414	131,710	135,652
Available seat-miles, scheduled service	16,842	38,574	65,567	124,320	216,446	250,846	265,120	279,869
Passenger load factor ... percent	60.8	63.1	59.3	55.2	52.6	50.0	49.7	48.5
Revenue plane-miles, scheduled service	477	780	998	1,354	2,146	2,385	2,418	2,378

[1] A passenger ton-mile represents 1 ton of passenger weight, including free and excess baggage, transported 1 mile.

Source: Air Transport Association of America, Washington, D. C., *Air Transport Facts and Figures*, annual.

No. 932. Scheduled Air Carriers—Summary of Operations: 1950 to 1971

[As of Dec. 31 or for calendar years, except as noted. Operations between conterminous U.S. and Hawaii, Puerto Rico, and outlying areas included with international. Intra-Alaska included with domestic carriers and Mainland-Alaska with international, as follows: Number of operators and traffic data, for all years; fuel and financial data, beginning 1955; and personnel data, beginning 1960. See also *Historical Statistics, Colonial Times to 1957*, series Q 352, Q 354–362, and Q 384–393]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971
Domestic operators [1]	48	40	39	40	33	33	33	(NA)
International operators [1]	6	7	10	9	4	4	3	(NA)
Total personnel employed [2] ..1,000	83	122	163	207	295	309	291	(NA)
Domestic ..1,000	62	96	134	170	245	255	242	(NA)
International ..1,000	21	27	29	37	50	54	49	(NA)
Route miles in operation [3] ..1,000	184	196	250	248	271	305	(NA)	(NA)
Domestic ..1,000	77	79	101	105	117	131	(NA)	(NA)
International [4] ..1,000	106	117	148	143	154	174	(NA)	(NA)
Aircraft in operation [5]	1,220	1,409	1,867	1,896	2,317	2,363	2,390	(NA)
Fixed wing	1,209	1,390	1,842	1,875	2,301	2,345	2,374	(NA)
Four-engine	(NA)	679	1,160	1,055	928	865	908	(NA)
Three-engine turbojet		(NA)	(NA)	168	516	601	627	(NA)
Twin-engine		709	677	615	835	867	825	(NA)
Single-engine		2	5	37	22	12	14	(NA)
Average available seats: [6]								
Domestic	37.5	51.2	65.5	89.2	100.8	109.8	110.4	115.3
International	41.0	56.4	89.9	129.1	135.6	121.9	154.9	183.7
Average speed (miles per hour):								
Domestic	180	208	235	314	373	394	350	(NA)
International	218	244	307	451	476	477	482	(NA)
Fuel consumed:								
Gasoline ..mil. gal	572	1,170	1,127	489	122	119	(NA)	(NA)
Domestic ..mil. gal	418	912	922	448	113	27	(NA)	(NA)
International ..mil. gal	154	258	205	41	9	92	(NA)	(NA)
Jet fuel:								
Domestic ..mil. gal	–	2	988	3,368	6,455	7,885	(NA)	(NA)
International ..mil. gal	–	–	343	1,195	2,267	1,910	(NA)	(NA)
Revenue-miles flown (all scheduled services) ..mil	464	763	983	1,336	2,124	2,370	2,419	2,377
Domestic ..mil	370	627	821	1,088	1,716	2,011	2,028	2,001
International ..mil	95	135	163	248	408	359	391	376
Revenue passengers carried ..mil	19	42	62	103	162	172	169	174
Domestic ..mil	17	38	56	92	146	158	153	156
International ..mil	2	3	6	11	16	14	16	18
Revenue passenger-miles flown:								
Domestic ..mil	8,007	19,852	30,567	51,887	87,508	102,717	104,147	106,294
International ..mil	2,214	4,499	8,306	16,789	26,451	22,703	27,563	29,358
Average passenger-mile rate:								
Domestic ..cents	.055	.054	.061	.061	.056	.059	(NA)	(NA)
International ..cents	.073	.067	.064	.053	.050	.050	(NA)	(NA)
Express and freight, ton-miles flown ..mil	213	326	579	1,540	2,506	3,063	3,158	3,574
Domestic [7] ..mil	152	230	387	943	1,579	2,126	2,216	2,275
International ..mil	61	96	192	597	927	937	942	1,299
Mail, ton-miles flown:								
Domestic ..mil	48	89	136	226	564	806	715	707
International ..mil	26	61	103	254	679	463	549	457
Accidents (revenue operations): [8]								
Domestic, total	36	41	62	55	44	37	31	31
Fatal	4	8	[9] 10	6	11	7	1	6
Fatalities [10]	109	221	363	223	288	152	1	194
Passenger-fatalities per 100 million passenger-miles flown [11]	1.2	0.8	0.9	0.4	(Z)	0.13	–	0.16
International, total	5	5	5	8	10	11	8	8
Fatal	2	1	2	1	2	–	1	–
Fatalities [10]	56	4	15	30	57	–	2	–
Passenger-fatalities per 100 million passenger-miles flown	2.1	(Z)	0.1	0.1	0.2	–	(Z)	–

– Represents zero. NA Not available. Z Less than 0.05. [1] Excludes all-cargo operators.
[2] For types of personnel, see table 933. [3] Not compiled for intra-Alaska.
[4] As of Dec. 31, based on fourth quarter.
[5] Represents aircraft of the certificated route air carriers; excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1960, excludes aircraft operated by the scheduled all-cargo carriers. Includes helicopters, not shown separately.
[6] Obtained by dividing passenger seat-miles by revenue-miles flown in passenger service.
[7] Excludes freight flown by certificated all-cargo operators and irregular carriers.
[8] Beginning 1960, includes military contract operations.
[9] Includes 2 midair collisions nonfatal to air carrier occupants; excluded in computation of fatal accidents.
[10] Includes crew members.
[11] Excludes passenger deaths occurring in dynamite accidents, as follows: Nov. 1, 1955, 39; Jan. 6, 1960, 29.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Includes data from U.S. Civil Aeronautics Board.

No. 933. Scheduled Air Carriers—Personnel and Payroll: 1965, 1969, and 1970

[As of December 31 or for calendar years. See also headnote, table 932]

TYPE OF PERSONNEL	1965			1969			1970		
	Number (1,000)	Payroll (mil. dol.)	Average salary	Number (1,000)	Payroll (mil. dol.)	Average salary	Number (1,000)	Payroll (mil. dol.)	Average salary
Total domestic [1]	**170.0**	**1,449**	**$8,525**	**255.4**	**2,784**	**$10,902**	**242.2**	**3,085**	**$12,737**
Pilots and copilots	14.5	289	19,946	23.0	604	26,205	22.8	685	34,348
Other flight personnel	3.9	53	13,468	6.8	120	17,558	5.9	130	21,999
Pursers, stewards, stewardesses	14.2	73	5,144	28.2	182	6,472	28.7	210	7,333
Communications personnel	2.0	13	6,448	2.2	17	7,861	1.7	16	9,157
Mechanics [2]	35.4	282	7,985	44.8	464	10,359	41.4	507	12,237
Aircraft and traffic servicing	45.8	331	7,223	69.4	639	9,204	66.4	714	10,748
Office employees	34.6	239	6,924	51.8	447	8,630	47.0	469	9,987
Total international [1]	**36.9**	**269**	**7,294**	**54.0**	**512**	**9,492**	**48.5**	**495**	**10,194**
Pilots and copilots	1.9	42	21,758	2.7	83	31,220	2.3	81	34,455
Other flight personnel	0.8	13	17,110	1.3	25	18,412	1.0	26	25,275
Pursers, stewards, stewardesses	3.0	19	6,257	4.8	41	8,507	4.9	43	8,696
Communications personnel	1.1	5	4,295	1.1	6	5,797	1.0	7	6,539
Mechanics [2]	5.3	42	7,853	7.3	74	10,248	6.1	63	10,416
Aircraft and traffic servicing	10.8	61	5,698	15.5	106	6,846	14.9	117	7,856
Office employees	9.0	53	5,919	11.8	86	7,245	11.9	95	9,899

[1] Includes personnel not shown separately. [2] Includes other maintenance personnel.

No. 934. Supplemental Air Carriers—Summary of Operations: 1955 to 1970

[Refers to carriers operating by authority of letters of registration granted by the Civil Aeronautics Board. Includes international operations; see headnote, table 932. Figures shown for military cover activities performed under charter or other contract with the Department of Defense]

ITEM	1955	1960	1965	1966	1967	1968	1969	1970
Number of operators ... 1,000	50	30	13	13	13	13	14	14
Revenue passenger-miles ... mil.	1,396	2,208	2,489	4,125	5,997	8,886	11,145	10,289
Commercial ... mil.	716	671	1,069	1,554	2,572	4,332	6,075	6,044
Military ... mil.	680	1,537	1,420	2,572	3,425	4,554	5,070	4,245
Revenue cargo ton-miles ... mil.	75	120	298	425	442	446	449	391
Commercial ... mil.	21	5	49	54	47	62	90	77
Military ... mil.	53	115	249	371	395	384	359	314
Operating revenue ... mil. dol.	76.8	83.4	141.0	209.3	258.6	325.5	361.4	336.9
Operating expenses ... mil. dol.	73.1	85.3	116.9	172.3	223.2	282.3	356.2	330.7
Operating profit or loss ... mil. dol.	3.8	−1.8	24.1	37.0	35.5	43.2	5.3	6.3

Source of tables 933 and 934: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Data from U.S. Civil Aeronautics Board.

No. 935. Employment, Hours, and Earnings in Aircraft Industries—Annual Averages: 1950 to 1971

ITEM	1950	1955	1960	1965	1968	1969	1970	1971
Employment, total ... 1,000	283	761	674	619	849	805	690	538
Aircraft ... 1,000	188	467	371	330	494	479	388	291
Aircraft engines and parts ... 1,000	57	168	171	188	209	196	180	153
Other aircraft parts and equipment ... 1,000	38	127	132	101	147	130	122	94
Hours and earnings:								
Average weekly hours:								
Aircraft industries	41.4	41.4	40.6	41.2	41.9	41.9	41.0	41.0
Aircraft engines and parts industries	41.7	40.6	41.1	42.1	41.4	40.9	40.5	39.8
Average weekly earnings:								
Aircraft industries	$67	$90	$110	$130	$153	$163	$171	$179
Aircraft engines and parts industries	$69	$86	$112	$133	$151	$158	$166	$174
Average hourly earnings:								
Aircraft industries	$1.62	$2.17	$2.71	$3.16	$3.64	$3.90	$4.17	$4.36
Aircraft engines and parts industries	$1.66	$2.13	$2.73	$3.17	$3.65	$3.87	$4.10	$4.36

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Data from U.S. Bureau of Labor Statistics.

No. 936. Civil Aircraft Shipments: 1950 to 1971

[Represents manufacturers' shipments of complete aircraft. Includes both domestic and export output]

ITEM	1950	1955	1960	1965	1966	1967	1968	1969	1970	1971
Total	**3,520**	**4,820**	**8,181**	**12,646**	**16,397**	**14,479**	**14,969**	**13,600**	**8,190**	**8,143**
Transports	129	113	238	221	322	500	702	509	313	230
General aviation	3,391	4,563	7,726	12,053	15,723	13,536	13,749	12,581	7,381	7,450
Single-engine:										
1- to 3-place	(NA)	786	1,366	3,545	5,744	4,873	4,507	4,447	1,981	1,948
4-place and over	(NA)	2,969	5,072	6,478	7,482	6,657	6,972	5,746	4,048	4,329
Multiengine	(NA)	808	1,288	2,030	2,497	2,006	2,270	2,388	1,352	1,173
Rotorcraft	(NA)	144	217	372	352	443	518	510	496	463

NA Not available.

No. 937. Aircraft—Backlog, New Orders, and Sales: 1965 to 1970

[Reported by manufacturers of complete aircraft, aircraft engines, and propellers]

ITEM	1965		1968		1969		1970	
	Total (mil. dol.)	Percent military	Total (mil. dol.)	Percent military	Total (mil. dol.)	Percent military	Total (mil. dol.)	Percent military
Net new orders	22,183	53.2	27,168	55.5	22,005	61.2	21,161	67.5
Aircraft and parts [1]	7,951	44.4	11,621	42.8	8,702	53.4	7,887	62.7
Aircraft engines and parts	2,690	66.6	2,664	54.2	2,483	58.0	1,955	73.0
Missiles and parts	6,739	52.0	6,453	72.2	4,867	69.7	5,611	80.7
Other products and services	4,803	(X)	6,430	(X)	5,956	(X)	5,708	(X)
Net sales	17,016	59.2	25,592	59.3	24,648	62.6	24,752	62.5
Aircraft and parts [1]	5,343	63.5	10,885	52.3	9,899	54.4	10,357	54.8
Aircraft engines and parts	1,714	66.0	2,965	57.8	2,865	62.1	3,109	61.5
Missiles and parts	5,819	52.4	6,076	70.4	5,660	75.6	5,422	79.7
Other products and services	4,140	(X)	5,666	(X)	6,224	(X)	5,864	(X)
Backlog, Dec. 31	20,385	57.5	30,749	51.5	28,297	48.9	24,705	50.5
Aircraft and parts [1]	8,885	50.2	16,608	36.1	15,610	33.8	13,264	35.2
Aircraft engines and parts	2,503	65.8	3,951	54.4	3,578	50.8	2,449	51.0
Missiles and parts	5,480	57.7	5,083	86.0	4,338	85.7	4,522	86.1
Other products and services	3,517	(X)	5,107	(X)	4,771	(X)	4,470	(X)

X Not applicable. [1] Includes propeller and propeller parts.

Source of tables 936 and 937: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Includes data from U.S. Bureau of the Census, *Current Industrial Reports*.

No. 938. Aircraft and Aircraft Parts and Accessories—Exports: 1960 to 1970

[**Value in millions of dollars.** See *Historical Statistics, Colonial Times to 1957*, series Q 349–350, for number and value of aircraft exported]

ITEM	1960		1965		1969		1970	
	Number of units	Value	Number of units	Value	Number of units	Value	Number of units	Value
Aircraft, parts, and accessories	(X)	**1,329**	(X)	**1,798**	(X)	**2,849**	(X)	**3,053**
Commercial and civilian aircraft [1]	2,336	537	3,129	477	3,322	1,235	2,940	1,528
Cargo transports, new	–	–	4	15	3	14	7	32
Passenger transports, new	(NA)	(NA)	61	262	145	707	149	1,059
Passenger/cargo combinations, new	(NA)	(NA)	12	76	34	219	28	192
Personal and utility type:								
Single engine, new	1,527	24	2,031	31	1,762	35	1,493	32
Multiple engine, new			426	38	700	91	544	81
Rotary wing, new	82	8	177	16	264	31	335	28
Used, rebuilt, modified, or converted [2]	565	26	406	39	384	139	358	104
Internal combustion engines, new	1,464	4	1,684	7	2,524	11	2,337	12
Aircraft engines, used	1,558	10	1,273	10	899	8	816	7
Aircraft components, parts, and access	(X)	778	(X)	1,303	(X)	1,594	(X)	1,506

– Represents zero. NA Not available. X Not applicable.
[1] Through 1965, includes new aircraft not elsewhere classified, not shown separately.
[2] Aircraft only; includes aircraft changed from military to nonmilitary type.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M37G.

No. 939. Airborne Imports and Exports—Shipping Weight, 1965, 1969, and 1970, and Value, 1965 and 1970

[**Weight in millions of pounds, value in millions of dollars, except as indicated.** Includes trade of Puerto Rico]

Continent and customs district	Imports					Exports				
	Weight			Value		Weight			Value	
	1965	1969	1970	1965	1970	1965	1969	1970	1965	1970
Total, all carriers [1]	**192.3**	**614.0**	**619.8**	**1,316**	**3,415**	**457.3**	**866.8**	**897.0**	**2,289**	**6,088**
North America	33.1	90.3	85.2	125	314	127.3	213.9	224.5	366	795
South America	19.8	29.5	43.3	48	98	71.3	100.7	95.5	194	413
Europe	111.5	377.1	353.7	920	2,069	182.0	422.1	428.9	1,284	3,459
Asia	26.7	111.4	131.2	171	859	29.1	88.2	107.5	236	1,057
Australia and Oceania	0.4	3.2	3.4	6	28	5.0	14.5	16.0	52	135
Africa	0.8	2.3	2.6	11	46	7.4	21.0	18.9	38	125
U.S. carriers [1]	**95.7**	**277.7**	**288.3**	**586**	**1,667**	**175.6**	**337.2**	**324.0**	**867**	**2,215**
Percent of all carriers	50.0	45.2	46.5	44.5	48.8	38.4	38.9	36.1	37.9	36.4
North America	15.7	39.9	39.1	56	140	56.5	106.0	91.9	147	367
South America	6.4	11.5	18.4	22	51	19.2	34.3	33.0	64	119
Europe	55.6	158.0	148.5	392	907	63.8	149.7	145.7	446	1,210
Asia	17.6	66.9	80.7	111	542	15.1	36.1	44.4	106	459
Australia and Oceania	(z)	0.8	0.9	2	12	1.1	3.0	2.9	10	29
Africa	0.3	0.6	0.7	3	16	3.0	5.0	3.8	16	30
Customs district:										
New York	113.1	302.8	294.3	977	1,851	224.8	400.2	397.9	1,396	3,230
Florida	26.7	54.3	60.6	48	91	116.1	146.5	125.9	214	353
Los Angeles	7.4	31.6	39.6	56	341	9.4	38.2	48.3	97	619
San Francisco	10.3	37.7	42.9	68	333	16.9	29.0	31.7	159	361
Chicago	10.0	32.0	32.2	65	243	26.8	55.4	66.7	138	408
Other	24.8	155.7	150.2	101	555	63.4	197.6	226.5	286	1,118

Z Less than 50,000 pounds. [1] Export data for total, all carriers, and U.S. carriers, include shipments of Special Category commodities, not shown separately by continent.

Source: U.S. Bureau of the Census, *United States Airborne Foreign Trade*, FT 986, annual.

No. 940. United States Receipts and Payments for International Transportation: 1950 to 1971

[**In millions of dollars.** Data are international transportation transactions recorded for balance of payment purposes (see table 1267). Receipts include freight on exports carried by U.S. operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (−) denotes excess of payments over receipts. See *Historical Statistics, Colonial Times to 1957*, series U 170 and U 177, for totals]

Item	1950	1955	1960	1965	1966	1967	1968	1969	1970	1971 (prel.)
Total receipts	**1,033**	**1,406**	**1,782**	**2,414**	**2,608**	**2,790**	**2,946**	**3,112**	**3,659**	**3,746**
Ocean transportation	859	1,137	1,337	1,731	1,843	1,851	1,909	1,930	2,258	2,197
Export freight earnings	380	448	428	519	531	530	547	510	614	563
Freight earnings on shipments between foreign countries	110	106	136	153	137	144	143	134	186	198
Passenger fares	20	23	19	9	10	8	7	8	3	2
Port expenditures	313	548	746	1,041	1,154	1,162	1,206	1,267	1,424	1,402
Charter hire	36	12	8	9	11	7	6	11	31	32
Air transportation	108	183	358	571	653	820	907	1,050	1,255	1,375
Export freight earnings	17	33	55	91	112	126	127	143	187	208
Passenger fares	68	97	156	262	307	363	405	443	550	597
Port expenditures	23	53	147	219	234	331	375	464	518	570
Other transportation	66	86	87	112	112	119	130	133	146	173
Total payments	**818**	**1,204**	**1,915**	**2,675**	**2,922**	**2,993**	**3,257**	**3,560**	**4,004**	**4,246**
Ocean transportation	643	946	1,333	1,806	1,933	1,879	2,026	2,064	2,319	2,407
Import freight payments	295	480	780	1,083	1,187	1,164	1,269	1,281	1,386	1,562
Passenger fares	121	138	212	210	200	195	190	215	245	231
Port expenditures	138	153	167	281	294	271	289	264	312	286
Charter hire	89	175	174	232	252	249	278	304	376	328
Air transportation	106	183	504	776	896	1,020	1,136	1,399	1,588	1,733
Import freight payments	2	7	22	40	47	58	78	127	122	180
Passenger fares	26	68	301	510	555	635	695	865	970	998
Port expenditures	78	108	181	225	294	327	363	407	496	555
Other transportation	69	75	78	93	93	94	95	97	97	106
Receipts balance	**215**	**202**	**−133**	**−261**	**−314**	**−203**	**−311**	**−447**	**−345**	**−501**

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

No. 941. Waterborne Commerce, Foreign and Domestic—Cargo Tonnage: 1950 to 1970

[**In millions of short tons.** Includes Puerto Rico and outlying areas. Import and export figures differ slightly from those shown in tables 943 and 944, due to minor differences in basic concepts which are explained in the source. See also *Historical Statistics, Colonial Times to 1957*, series Q 216–229]

CLASS	1950	1955	1960	1965	1967	1968	1969	1970
Net total	**821**	**1,016**	**1,100**	**1,273**	**1,337**	**1,396**	**1,449**	**1,532**
Foreign commerce	**169**	**271**	**339**	**444**	**466**	**508**	**521**	**581**
Imports, through seaports	96	144	198	245	248	279	296	313
Exports, through seaports	44	95	105	142	162	167	169	206
Imports, Great Lakes ports	6	9	13	25	28	32	25	26
Exports, Great Lakes ports	24	23	23	32	28	30	32	36
Domestic commerce [1]	**651**	**745**	**761**	**829**	**871**	**888**	**927**	**951**
Coastwise, between ports	183	196	209	202	215	214	217	238
Great Lakes, between ports	170	185	155	154	154	151	161	157
Local traffic of seaports, Great Lakes ports, and inland waterways ports	107	113	104	103	102	91	88	81
Traffic between ports and river ports [1]	191	250	291	370	399	430	461	472
Traffic between ports of outlying areas of the United States	1	2	1	1	1	2	1	2

[1] Represents traffic among ports and communities mainly utilizing inland waterways.

Source: U.S. Corps of Engineers, through 1950, *Annual Report of Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*, annual.

No. 942. Exports and Imports, by Method of Transport: 1955 to 1971

[**Value in millions of dollars, except percent; shipping weight in millions of pounds.** Export data include both domestic and foreign; import data for general imports only. For details, see source]

ITEM	1955	1960	1965	1967	1968	1969	1970	1971
EXPORTS								
Value, all methods of transport	15,547	20,576	27,478	31,526	34,636	38,006	43,224	44,137
Vessel	9,227	13,142	16,926	18,772	19,689	20,072	24,627	22,829
Percent of total	59.4	63.9	61.6	59.5	56.8	52.8	57.0	51.7
Air	(NA)	(NA)	2,289	3,233	3,830	5,128	5,983	6,297
Shipping weight:								
Vessel	225,169	248,456	343,461	375,198	389,339	398,597	480,540	408,862
Air	(NA)	(NA)	457	540	655	860	891	900
IMPORTS								
Value, all methods of transport	11,384	14,654	21,366	26,812	33,226	36,043	39,952	45,602
Vessel	8,073	11,106	14,943	17,492	21,258	21,627	24,778	27,036
Percent of total	70.9	75.8	69.9	65.2	64.0	60.0	62.0	59.3
Air	(NA)	(NA)	1,316	1,947	2,558	3,190	3,417	4,015
Shipping weight:								
Vessel	283,069	398,085	511,509	512,686	567,345	577,711	598,393	623,865
Air	(NA)	(NA)	192	305	431	614	620	823

NA Not available.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly, and unpublished data.

No. 943. Waterborne Imports and Exports—Cargo Tonnage, by Coastal District: 1950 to 1970

[**In thousands of short tons.** See headnote, table 944]

DISTRICT	1950	1955	1960	1965	1966	1967	1968	1969	1970
IMPORTS									
Atlantic ports	76,062	105,990	135,313	163,871	172,595	164,254	180,813	188,539	218,544
Gulf ports	10,930	17,345	27,304	36,773	39,408	38,615	41,544	43,482	46,904
Pacific ports	4,095	9,038	23,281	29,995	27,426	26,223	28,292	31,957	30,846
Great Lakes ports	5,616	8,751	12,932	24,957	26,646	27,713	32,100	24,643	26,448
EXPORTS									
Atlantic ports	15,228	54,906	44,902	54,943	56,756	57,365	58,265	62,987	79,303
Gulf ports	16,818	22,500	36,730	58,717	67,056	66,028	66,742	63,217	78,092
Pacific ports	7,270	13,394	19,351	26,445	30,395	36,486	39,146	41,018	47,578
Great Lakes ports	23,370	21,996	22,905	31,705	31,772	27,549	30,330	32,064	35,932

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States; U.S. Waterborne Foreign Trade*, FT 985, annual; and unpublished data.

No. 944. Waterborne Imports and Exports—Cargo Tonnage, by Flag of Carrier Vessel: 1950 to 1970

[**In thousands of short tons.** Beginning July 1950, excludes commodities classified for security reasons as "Special Category." Beginning 1955, imports exclude shipments under 2,000 pounds shipping weight regardless of value. For further coverage details, see report FT 985, *U.S. Waterborne Foreign Trade* published monthly by Bureau of the Census. See also *Historical Statistics, Colonial Times to 1957*, series Q 210–215]

Year	Total trade	Percent by U.S. flag	Imports by flag of carrier vessel				Exports by flag of carrier vessel			
			Total	U.S.	Foreign	Percent U.S.	Total	U.S.	Foreign	Percent U.S.
Total										
1950	159,389	39.3	96,703	42,268	54,435	43.7	62,685	20,379	42,306	32.5
1955	253,919	23.5	141,123	37,409	103,715	26.5	112,796	22,144	90,652	19.6
1960	322,717	12.3	198,830	19,627	179,203	9.9	123,887	20,133	103,754	16.3
1965	427,407	8.1	255,596	15,573	240,023	6.1	171,811	19,048	152,762	11.1
1967	444,233	6.5	256,806	13,526	243,280	5.3	187,427	15,365	172,062	8.2
1968	477,234	6.1	282,751	16,321	266,430	5.8	194,483	15,599	178,884	8.0
1969	487,906	4.9	288,620	10,990	277,630	3.8	199,286	13,060	186,226	6.6
1970	538,933	5.6	299,159	15,438	283,721	5.1	239,774	14,940	224,834	6.3
Dry cargo										
1950	100,189	31.2	46,611	14,823	31,788	31.8	53,578	16,429	37,149	30.7
1955	169,231	23.2	68,437	19,855	48,582	29.0	100,794	19,762	81,032	19.6
1960	202,497	15.2	94,931	13,813	81,118	14.6	107,566	16,980	90,586	15.8
1965	273,928	9.3	123,318	10,369	112,949	8.4	150,610	15,223	135,387	10.0
1967	294,069	8.1	127,331	11,103	116,228	8.7	166,738	12,658	154,080	7.6
1968	315,694	7.1	137,700	10,423	127,276	7.6	177,994	13,267	164,727	7.4
1969	314,054	5.8	131,750	6,768	124,982	5.1	182,304	11,328	170,976	6.2
1970	357,604	6.4	137,790	9,912	127,878	7.2	219,814	12,895	206,919	5.8
Tanker cargo										
1950	59,199	53.0	50,092	27,445	22,647	54.8	9,107	3,950	5,157	43.4
1955	84,688	23.5	72,686	17,554	55,133	24.2	12,002	2,382	9,620	19.8
1960	120,219	7.5	103,898	5,814	98,084	5.6	16,321	3,153	13,168	19.3
1965	153,478	5.9	132,278	5,204	127,074	3.9	21,200	3,825	17,375	18.0
1967	150,165	3.4	129,476	2,424	127,052	1.9	20,689	2,707	17,982	13.1
1968	161,541	5.0	145,052	5,897	139,154	4.1	16,489	2,333	14,157	14.1
1969	173,853	3.4	156,870	4,217	152,653	2.7	16,983	1,733	15,250	10.2
1970	181,330	4.2	161,370	5,527	155,843	3.4	19,960	2,045	17,915	10.3

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States; U.S. Waterborne Foreign Trade*, FT 985, annual, and unpublished data.

No. 945. Waterborne Imports and Exports—Value of Trade, by Coastal District: 1965, 1969, and 1970

[**In millions of dollars.** Includes trade of Puerto Rico with foreign countries]

District and type of vessel	Total trade			Imports			Exports		
	1965	1969	1970	1965	1969	1970	1965	1969	1970
Total	31,868	41,485	49,122	14,941	21,570	24,728	16,927	19,915	24,394
Atlantic	18,132	22,446	26,960	9,743	12,855	15,016	8,389	9,591	11,944
Dry cargo	16,570	20,528	24,970	8,266	11,085	13,189	8,304	9,443	11,781
Tanker	1,562	1,918	1,990	1,477	1,770	1,827	85	148	163
Gulf	6,739	7,845	9,787	1,761	2,536	2,892	4,978	5,309	6,895
Dry cargo	5,584	6,951	8,674	1,657	2,368	2,678	3,927	4,583	5,996
Tanker	1,156	894	1,113	105	168	214	1,051	726	899
Pacific	4,789	8,605	9,628	2,410	4,895	5,485	2,379	3,710	4,143
Dry cargo	4,353	8,247	9,237	2,097	4,626	5,231	2,256	3,621	4,006
Tanker	436	358	391	313	269	254	123	89	137
Great Lakes	2,209	2,591	2,746	1,028	1,285	1,335	1,181	1,306	1,411
Dry cargo	2,141	2,543	2,694	1,013	1,271	1,321	1,128	1,272	1,373
Tanker	68	48	52	15	14	14	53	34	38

Source: U.S. Bureau of the Census, *U.S. Waterborne Foreign Trade*, FT 985, annual.

No. 946. Freight Carried on Inland Waterways, by System: 1950 to 1970

[In millions of ton-miles. Excludes Alaska and Hawaii, except as noted]

SYSTEM	1950	1955	1960	1965	1968	1969	1970
Total	**163,344**	**216,508**	**220,253**	**262,421**	**291,409**	**302,901**	**318,560**
Atlantic coast rivers	6,497	27,042	28,583	27,781	25,938	26,603	28,572
Gulf coast rivers	1,229	13,860	16,932	21,808	25,757	27,808	28,582
Pacific coast rivers	1,686	4,736	6,001	6,630	7,303	8,061	8,397
Mississippi River System [1]	33,598	52,019	69,257	96,593	120,339	125,195	138,534
Great Lakes System [2]	120,334	118,850	99,480	109,609	112,073	115,235	114,475

[1] Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers.
[2] Includes other waterways, canals and connecting channels, and, beginning 1960, Alaskan waterways.

Source: U.S. Corps of Engineers, 1950, *Annual Report of the Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*, annual.

No. 947. Freight Carried on Great Lakes System; 1969 and 1970, and by Area, 1970

[In millions of ton-miles]

AREA	Total	DOMESTIC				FOREIGN	
		Lakewise	Coastwise	Internal	Local	Canadian	Overseas
1969	115,235	82,569	71	562	98	21,259	10,675
Total, 1970	**114,475**	**79,400**	**57**	**581**	**92**	**23,842**	**10,503**
Lake Superior	27,244	24,339	–	–	–	2,254	651
St. Marys River	4,948	4,449	–	–	–	392	107
Lake Michigan, including Port of Chicago [1]	20,045	15,430	2	479	74	2,450	1,610
Lake Huron	24,905	19,144	2	2	3	4,121	1,632
St. Clair River, including channels in Lake St. Clair	6,198	4,769	1	1	–	1,037	391
Detroit River	3,415	2,523	2	1	1	620	268
Lake Erie, including upper Niagara River	17,658	8,660	23	36	14	6,479	2,446
Welland Canal	1,198	12	3	9	–	867	307
Lake Ontario, including lower Niagara River	5,431	61	17	50	–	3,485	1,818
St. Lawrence River, between International Boundary Line and Lake Ontario	3,434	12	8	3	–	2,136	1,273

– Represents zero.
[1] Comprises Chicago Harbor, North Branch, South Branch, Sanitary Ship Canal, Calumet-Sag Channel, Lake Calumet, and Calumet Harbor and River.

Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

No. 948. Freight Carried on Mississippi River System: 1950 to 1970

[Net traffic. Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers]

ITEM	1950	1955	1960	1965	1968	1969	1970
Traffic (1,000 short tons):							
Total	138,145	194,363	233,959	301,780	351,146	368,631	391,113
Inland	114,697	163,760	188,098	237,631	270,557	286,804	297,290
Coastwise	13,877	16,060	21,994	28,395	40,320	39,319	43,653
Foreign: Imports	4,395	6,296	11,284	13,031	14,635	15,939	16,626
Exports	5,176	8,248	12,584	22,724	25,634	26,570	33,544
Traffic (millions of ton-miles):							
Total	33,598	52,019	69,257	96,593	120,339	125,195	138,534
Inland	30,282	47,418	62,367	87,407	109,165	114,032	125,880
Coastwise	2,074	2,473	3,184	3,592	5,007	4,565	4,924
Foreign: Imports	599	1,046	1,821	2,333	2,494	2,695	2,821
Exports	643	1,082	1,884	3,261	3,673	3,903	4,909

Source: U.S. Corps of Engineers, 1950, *Annual Report of the Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*, annual.

No. 949. Commerce of Selected United States Ports: 1970

[In thousands of short tons (cargo). Excludes Great Lakes. In addition to commerce shown here, many ports have (a) commerce with ports on internal rivers and canals; (b) purely local port traffic]

Port	Imports	Exports	Coastwise Receipts	Coastwise Shipments
Total [1]	339,340	241,629	238,440	238,440
ATLANTIC COAST PORTS				
Portland Harbor, Maine	24,643	11	3,906	938
Portsmouth Harbor, N.H	1,092	2	1,036	54
Salem Harbor, Mass	939	–	305	1
Boston Harbor, Mass	9,014	816	13,196	2,006
Fall River Harbor, Mass	1,897	–	1,905	117
Providence River and Harbor, R.I	2,389	287	6,106	496
New Haven Harbor, Conn	3,359	313	6,355	1,409
Bridgeport Harbor, Conn	2,134	123	1,361	198
Norwalk Harbor, Conn	–	–	1,056	–
Port of New York, N.Y., and N.J	50,792	7,140	35,916	18,099
Hempstead Harbor, N.Y	–	–	1,821	2,326
Port Jefferson Harbor, N.Y	721	–	3,436	176
Port of Albany, N.Y	1,954	345	3,129	–
Delaware River and tributaries	49,634	4,412	36,178	8,279
Baltimore Harbor and channels, Md	20,480	9,375	5,233	1,586
Norfolk Harbor, Va	6,120	35,549	2,213	728
Port of Newport News, Va	605	13,906	1	17
Port of Wilmington, N.C	1,915	217	2,320	208
Charleston Harbor, S.C	2,593	694	2,939	148
Savannah Harbor, Ga	2,736	1,398	1,809	140
Jacksonville Harbor, Fla	4,576	1,340	3,663	606
Port Everglades Harbor, Fla	2,708	172	5,804	604
Miami Harbor, Fla	1,176	462	205	83
San Juan Harbor, P.R	3,671	177	3,183	994
GULF COAST PORTS				
Charlotte Harbor, Fla	420	691	187	674
Tampa Harbor, Fla	2,469	10,804	11,900	4,624
Mobile Harbor, Ala	8,777	2,940	33	1,838
New Orleans, La	7,535	24,680	1,966	29,441
Baton Rouge, La	7,211	6,763	762	8,787
Lake Charles, La	193	1,692	32	3,386
Galveston, Tex	321	2,124	241	319
Texas City, Tex	158	724	268	5,101
Houston, Tex	4,828	12,256	2,365	19,994
Corpus Christi, Tex	3,986	2,867	139	12,711
Harbor Island, Tex	–	1	–	4,498
Freeport Harbor, Tex	8	1,116	118	1,049
Brazos Island Harbor, Tex	1,845	477	–	1,443
Beaumont, Tex	102	3,515	629	15,597
Port Arthur, Tex	316	1,818	3,329	10,391
PACIFIC COAST PORTS				
Long Beach Harbor, Calif	5,618	6,909	5,222	3,286
Los Angeles Harbor, Calif	4,811	4,909	5,923	6,009
San Francisco Bay Area, Calif	6,253	6,589	16,799	10,010
Coos Bay, Oreg	(Z)	3,227	315	423
Portland, Oreg	1,322	3,886	4,421	309
Longview, Wash	452	3,117	675	197
Tacoma Harbor, Wash	2,239	2,794	399	225
Seattle Harbor, Wash	2,655	1,685	2,174	875
Honolulu Harbor, Hawaii	1,498	132	3,974	2,465

– Represents zero. Z Less than 500 tons. [1] Includes data for ports not shown separately.

Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

No. 950. Commerce of Selected Great Lakes Ports: 1960 to 1970

[In thousands of short tons (cargo). Comprises foreign, lakewise, and coastwise shipping]

Port	Receipts 1960	Receipts 1965	Receipts 1969	Receipts 1970	Shipments 1960	Shipments 1965	Shipments 1969	Shipments 1970
Total	168,043	183,723	185,576	183,561	178,287	190,506	192,991	193,077
Ashtabula Harbor, Ohio	7,773	6,854	7,329	6,303	2,450	4,246	3,465	5,598
Buffalo, N.Y., Port of	15,595	16,342	14,441	14,301	1,226	1,012	971	716
Chicago, Ill., Port of	12,303	16,411	15,735	15,588	8,411	11,927	11,009	11,302
Cleveland Harbor, Ohio	17,113	20,981	23,460	21,772	511	832	1,015	965
Conneaut Harbor, Ohio	6,570	5,321	7,518	7,966	588	3,486	6,398	7,569
Detroit, Mich., Port of	25,334	30,980	28,329	29,183	1,892	1,020	1,570	1,753
Duluth-Superior, Minn. and Wis	5,155	5,093	4,352	3,683	37,512	41,083	39,100	39,075
Indiana Harbor, Ind	12,116	13,092	12,437	12,148	7,059	4,372	5,141	5,222
Lorain Harbor, Ohio	5,036	4,331	5,488	4,990	1,659	1,860	3,322	3,183
Milwaukee Harbor, Wis	6,861	4,354	4,962	5,066	1,647	2,032	1,861	1,905
Sandusky Harbor, Ohio	38	44	4	47	5,616	2,056	6,762	4,986
Toledo Harbor, Ohio	5,870	7,395	6,932	7,128	27,815	37,279	23,725	24,412
All other	48,279	52,525	54,589	55,386	81,901	79,301	88,652	86,391

Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

No. 951. Traffic Through the Panama Canal: 1940 to 1971

[For years ending June 30. See also *Historical Statistics, Colonial Times to 1957*, series Q 235-237]

Year	All traffic: Transits	All traffic: Cargo (1,000 long tons)	Commercial ocean traffic[1]: Transits	Commercial ocean traffic[1]: Net tons[2] (1,000)	Commercial ocean traffic[1]: Tolls ($1,000)	Commercial ocean traffic[1]: Cargo (1,000 long tons)	1971: Nationality of vessel	1971: Transits	1971: Net tons[2] (1,000)	1971: Tolls ($1,000)	1971: Cargo (1,000 long tons)
1940	(NA)	(NA)	5,370	24,144	21,145	27,299	Germany[3]	1,069	6,239	5,473	4,918
1950	5,891	30,302	5,448	28,013	24,430	28,872	Great Britain[4]	1,575	13,687	12,019	14,320
1955	8,293	41,485	7,997	38,568	33,849	40,646	Greece	629	5,462	4,796	7,736
1960	12,147	60,402	10,795	58,302	50,939	59,258	Japan	1,462	12,436	10,971	13,542
1965	12,918	78,923	11,834	74,735	65,443	76,573	Liberia	1,587	18,105	15,683	25,201
1967	14,070	92,998	12,412	88,266	76,679	86,193	Netherlands	494	3,159	2,725	2,649
1968	15,511	105,538	13,199	96,488	83,907	96,550	Norway	1,202	13,314	11,780	16,012
1969	15,327	108,793	13,146	100,558	87,423	101,373	Panama	948	3,761	3,168	3,699
1970	15,523	118,909	13,658	108,142	94,654	114,257	Sweden	479	3,983	3,537	3,367
1971	15,348	121,011	14,020	111,006	97,380	118,627	United States	1,368	11,043	9,757	8,246
							All others	3,207	19,819	17,471	18,937

NA Not available.

[1] Comprises oceangoing tolls-paying vessels and foreign naval vessels of 300 net tons and over (Panama Canal measurement) for vessels rated on net tonnage, or 500 tons displacement and over for vessels rated on displacement tonnage. [2] Panama Canal net. [3] Federal Republic only. [4] Includes Canadian.

Source: Panama Canal Company, Balboa Heights, Canal Zone, *Annual Report.*

No. 952. Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage, by Flag of Carrier Vessel: 1946 to 1970

[**In thousands of net tons, except as indicated.** Includes Puerto Rico and Virgin Islands. Excludes domestic trade. See also *Historical Statistics, Colonial Times to 1957*, series Q 192-203]

Yearly average or year	All ports: Number of vessels	All ports: All vessels: Total tonnage	All ports: All vessels: U.S.	All ports: All vessels: Percent U.S.	All ports: All vessels: Foreign	Seaports[1]: All vessels: Total tonnage	Seaports[1]: All vessels: U.S.	Seaports[1]: All vessels: Foreign	Seaports[1]: With cargo: Total tonnage	Seaports[1]: With cargo: U.S.	Seaports[1]: With cargo: Foreign
ENTERED											
1946-1950	48,813	87,462	46,205	52.8	41,257	75,094	42,168	32,926	50,288	26,318	23,970
1951-1955	48,082	114,990	39,459	34.3	75,531	100,657	35,345	65,313	78,407	26,759	51,649
1956-1960	51,874	155,368	31,118	20.0	124,251	139,375	26,938	112,436	110,023	21,884	88,139
1961-1965	49,670	187,982	33,443	17.9	154,539	166,207	29,947	136,260	127,832	18,994	108,839
1966-1970	53,459	232,133	29,121	12.5	203,012	206,179	26,513	179,665	157,028	18,099	138,929
1955	48,415	128,405	34,321	26.7	94,084	113,807	30,407	83,400	89,552	25,331	64,220
1960	51,375	162,765	30,189	18.5	132,575	145,828	26,708	119,119	118,539	19,955	98,584
1965	51,357	209,000	34,041	16.3	174,960	183,724	30,919	152,806	139,029	18,283	120,747
1967	54,040	220,681	30,830	14.0	189,848	195,871	26,990	168,878	147,058	17,329	129,729
1968	55,138	229,850	30,389	13.2	199,465	203,664	27,456	176,210	155,895	18,242	137,653
1969	52,642	238,085	26,662	11.2	211,423	213,008	25,264	187,741	163,564	17,060	146,504
1970	53,293	254,154	26,239	10.3	227,915	226,666	24,234	202,431	170,855	19,223	151,632
CLEARED											
1946-1950	45,135	87,190	44,942	51.5	42,244	74,889	40,933	33,953	54,584	29,510	25,073
1951-1955	45,324	115,447	39,533	34.2	75,914	101,213	35,531	65,682	68,396	25,407	42,989
1956-1960	49,079	156,376	31,157	19.9	125,219	140,498	27,018	113,478	85,273	19,791	65,481
1961-1965	48,098	189,274	33,913	17.9	155,360	167,581	30,459	137,121	95,963	20,383	75,581
1966-1970	52,415	232,223	29,790	12.8	202,434	206,407	27,179	179,228	122,152	23,170	98,983
1955	46,642	129,368	34,407	26.6	94,961	114,806	30,615	84,192	73,663	20,763	52,900
1960	49,809	166,715	31,280	18.8	135,434	149,778	27,649	122,127	84,470	18,653	65,817
1965	49,779	208,736	34,016	16.3	174,721	183,540	31,048	152,492	103,473	20,979	82,494
1967	52,644	220,231	30,827	14.0	189,404	195,845	27,089	168,756	119,797	24,336	95,461
1968	54,406	230,324	31,198	13.5	199,126	204,086	28,244	175,839	121,535	24,089	97,446
1969	51,670	237,986	27,235	11.4	210,758	212,746	25,738	187,013	122,254	22,199	100,055
1970	52,195	253,136	26,953	10.6	226,183	225,925	24,898	201,027	132,227	20,409	111,818

[1] Comprises all ports except Great Lakes ports.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States;* and *Vessel Entrance and Clearances*, FT 975, annual.

No. 953. Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage, by Customs Districts: 1955 to 1970

[**In thousands of net tons.** Excludes domestic trade. Beginning 1966, Puerto Rico included in South Atlantic Coast; Hawaii included in South Pacific Coast; and Alaska included in North Pacific Coast]

Customs district	1955	1960	1965	1966	1967	1968	1969	1970
Entered								
North Atlantic Coast	71,159	75,829	88,586	89,918	89,171	91,157	95,765	102,084
With cargo	57,844	66,589	76,541	79,052	76,665	79,365	81,665	85,369
South Atlantic Coast	6,000	8,827	10,862	20,071	21,045	22,515	24,993	27,294
With cargo	5,292	7,808	8,709	16,633	17,183	17,917	19,720	21,171
Gulf Coast	17,434	27,022	37,564	36,527	34,568	34,469	34,303	36,060
With cargo	11,795	15,616	18,485	20,267	19,499	20,914	21,802	22,988
South Pacific Coast	9,582	17,148	21,546	26,858	27,581	28,662	30,012	27,504
With cargo	7,547	15,007	17,747	21,475	21,558	22,834	23,836	21,828
North Pacific Coast	6,385	10,133	12,968	16,458	19,800	22,008	21,685	24,898
With cargo	4,395	7,551	7,895	9,594	10,229	11,804	12,430	13,575
Great Lakes	14,597	16,937	25,276	26,209	24,810	26,186	25,077	27,488
With cargo	4,631	7,771	14,484	15,825	15,555	16,849	14,296	15,198
Alaska, Hawaii, Puerto Rico, and V.I.	3,247	6,869	12,198	1,854	3,706	4,853	6,250	8,825
With cargo	2,678	5,968	9,652	748	1,924	3,061	4,111	5,924
Cleared								
North Atlantic Coast	71,240	80,842	89,676	89,865	84,884	87,439	93,560	99,934
With cargo	38,903	35,510	37,778	38,387	36,848	35,833	38,614	43,659
South Atlantic Coast	5,846	8,612	11,227	18,727	20,176	21,363	23,518	25,464
With cargo	3,635	5,121	5,322	9,861	10,610	10,613	10,636	11,372
Gulf Coast	17,289	25,218	36,289	40,943	40,696	41,001	39,768	42,813
With cargo	13,320	18,825	28,981	33,828	34,189	34,411	32,976	36,780
South Pacific Coast	11,172	18,007	21,758	25,836	27,183	27,870	29,683	27,650
With cargo	10,598	14,602	16,068	20,049	21,668	21,886	22,090	20,882
North Pacific Coast	5,060	9,444	12,840	16,260	19,316	22,214	21,792	24,262
With cargo	4,130	6,923	9,769	12,354	15,865	18,144	17,219	18,985
Great Lakes	14,561	16,937	25,196	26,004	24,389	26,244	25,240	27,211
With cargo	11,831	13,106	18,641	18,702	16,277	17,610	18,802	20,156
Alaska, Hawaii, Puerto Rico, and V.I.	4,200	7,654	11,749	1,802	3,596	4,199	4,425	5,802
With cargo	3,077	3,491	5,555	470	617	648	719	549

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States;* and *Vessel Entrances and Clearances*, FT 975, annual.

No. 954. Federal Expenditures for Civil Functions of the Corps of Engineers, United States Army: 1940 to 1971

[**In millions of dollars.** For years ending June 30. Includes Puerto Rico and outlying areas. Represents funds actually expended under the direction of the Chief of Engineers for maintenance and improvement of rivers and harbors, flood control, and other miscellaneous works]

Year	Amount	Year	Amount	Year	Amount	Year	Amount
1940	214	1954	540	1960	869	1966	1,291
1945	134	1955	512	1961	938	1967	1,266
1950	635	1956	557	1962	965	1968	1,275
1951	621	1957	666	1963	1,093	1969	1,194
1952	597	1958	719	1964	1,097	1970	1,213
1953	636	1959	806	1965	1,211	1971	1,281

Source: U.S. Corps of Engineers, *Statement of Costs*, annual.

No. 955. Employees in Government and Private Shipyards: 1950 to 1971

[**In thousands.** Prior to 1960, excludes Alaska and Hawaii. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power or towed by other craft]

Year	Total	Private yards [1]	Navy yards	Year	Total	Private yards [1]	Navy yards
1950	146	72	[2] 74	1965	213	129	84
1955	208	101	[2] 107	1966	229	144	85
1960	208	112	96	1967	235	140	95
1961	214	116	98	1968	236	141	95
1962	212	115	98	1969	233	142	91
1963	209	116	94	1970	215	132	83
1964	204	117	87	1971	203	127	76

[1] Includes all full- and part-time employees who worked during or received pay for any part of the pay period which includes the 12th of the month. Data have been adjusted to March 1970 benchmark levels indicated by data from Government social insurance programs. [2] Includes Curtis Bay Coast Guard yard (Md.).

Source: U.S. Bureau of Labor Statistics. Current data for private yards published monthly in *Employment and Earnings*.

No. 956. Employment on U.S. Flag Merchant Vessels, 1950 to 1971, and Basic Wage Scale for Able-Bodied Seamen, 1956 to 1972

[**Employment in thousands; wage rates in dollars.** Employment data as of June 30]

YEAR	Employment [1]	YEAR	Employment [1]	EAST COAST [3]—YEAR AND MONTH	Monthly wage rate [4]	WEST COAST [3]—YEAR AND MONTH	Monthly wage rate [4]
1950	56.6	1967	54.6	1956—June	333	1956—October	453
1955	57.5	1968	54.2	1962—June	393	1961—October	522
1960	49.2	1969	47.5	1968—June	444	1966—June	558
1965	[2] 39.1	1970	37.6	1971—January	470	1971—January	704
1966	51.9	1971	30.4	1972—January	528	1972—January	756

[1] Estimates of personnel employed on U.S. merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, the U.S. Army and Navy, and special types such as cable ships, tugs, etc. [2] Decrease due to seafaring strike. [3] Seamen on both coasts receive extra pay for Saturdays and Sundays at sea. Beginning November 1955, West Coast incorporated this extra pay into base wages but East Coast did not. [4] Represents basic wage, over and above subsistence (board and room), paid to seamen having qualifying experience and employed on U.S. flag merchant vessels. Excludes overtime and fringe pay benefits.

Source: U.S. Maritime Administration, *Seafaring Wage Rates*, and unpublished data. Beginning 1956, monthly employment data in *Maritime Manpower Report*.

No. 957. United States Flag Merchant Vessels, Steam and Motor: 1950 to 1971

[**Dead-weight tonnage in thousands.** As of June 30. Covers oceangoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types and vessels employed on Great Lakes]

VESSEL STATUS AND TONNAGE	1950	1955	1960	1965	1968	1969	1970	1971
Total vessels [1]	**3,408**	**3,235**	**2,960**	**2,449**	**2,101**	**2,013**	**1,780**	**1,478**
Cargo	2,846	2,560	2,226	1,860	1,581	1,521	1,302	1,185
Percent	83.5	79.1	75.2	75.9	75.2	75.6	73.1	68.6
Tanker	479	426	428	351	315	305	301	293
Tonnage, total [1]	36,526	35,017	32,821	28,963	25,699	25,079	23,280	20,474
Cargo	28,927	26,539	23,015	19,748	16,993	16,462	14,298	11,515
Percent	79.2	75.8	70.1	68.2	66.1	65.6	61.4	56.2
Tanker	6,959	6,790	7,762	7,644	7,363	7,403	7,835	7,848
Active vessels	1,145	1,026	930	729	723	646	631	557
Tons	13,828	12,872	12,467	10,830	11,266	10,083	11,143	10,691
Cargo	682	652	627	532	486	467	412	355
Tons	7,075	7,033	6,854	6,305	5,977	5,923	5,442	4,883
Foreign trade	711	601	558	512	481	447	386	321
Tons	8,353	6,992	6,541	6,877	6,332	6,021	5,775	5,273
Cargo	505	492	479	440	421	398	344	288
Tons	5,367	5,383	5,265	5,249	5,180	5,100	4,605	4,041
Domestic trade	434	425	372	217	242	199	245	236
Tons	5,474	5,880	5,926	3,953	4,934	4,062	5,368	5,418
Cargo	177	160	148	92	65	69	68	67
Tons	1,708	1,650	1,589	1,056	797	823	837	842
Coastwise	279	271	237	118	134	105	142	130
Tons	3,716	3,999	4,284	2,667	3,105	2,619	3,599	3,541
Cargo	66	43	35	13	9	8	10	7
Tons	559	385	375	142	123	111	116	88
Intercoastal	87	75	50	27	35	25	25	25
Tons	1,131	996	717	417	693	416	417	444
Cargo	58	52	39	22	15	17	17	16
Tons	649	591	442	291	221	227	252	234
Noncontiguous	68	79	85	72	73	69	78	81
Tons	626	885	925	869	1,136	1,029	1,352	1,435
Cargo	53	65	74	57	41	44	41	44
Tons	500	674	773	623	453	486	469	521
Temporarily inactive	86	89	99	200	48	122	63	85
Tons	845	1,099	1,400	3,104	749	2,124	1,163	1,346
Cargo	42	28	35	105	31	51	33	58
Tons	384	288	376	1,245	400	573	399	660
Reserve fleet	2,177	1,983	1,884	1,446	949	878	898	703
Tons	21,853	19,687	18,279	13,830	8,535	7,774	8,045	6,155
Cargo	2,122	1,760	1,536	1,174	739	690	712	676
Tons	21,468	18,070	15,530	11,638	7,025	6,477	6,726	5,837
Special service	–	137	47	74	381	367	188	133
Tons	–	1,360	675	1,201	5,150	5,097	2,930	2,280
Cargo	–	120	28	49	325	313	145	96
Tons	–	1,149	255	562	3,592	3,489	1,731	1,245

– Represents zero. [1] Except for 1971, includes ships originally constructed as cargo ships but converted to transports, hospital ships, etc., not shown separately.

Source: U.S. Maritime Administration, *Employment Report of United States Flag Merchant Fleet Oceangoing Vessels 1000 Gross Tons and Over*, June 1971.

No. 958. Merchant Vessels Completed by U.S. Shipyards: 1940 to 1971

[**Tons in thousands.** Represents self-propelled steel vessels of 2,000 gross tons and over for domestic use. Excludes Alaska and Hawaii]

Year	All merchant vessels		Passenger-cargo/transport			Cargo			Tanker		
	Number	Gross tons	Number	Gross tons	Deadweight tons	Number	Gross tons	Deadweight tons	Number	Gross tons	Deadweight tons
1940	53	445	6	69	61	31	227	335	16	149	238
1944	1,463	11,403	48	461	330	1,175	8,455	11,858	240	2,486	3,955
1945	1,041	7,615	46	509	311	807	5,336	7,206	188	1,770	2,787
1950	26	405	–	–	–	3	27	44	23	378	609
1955	9	119	–	–	–	7	84	95	2	35	55
1960	26	410	–	–	–	15	134	163	11	276	456
1965	13	173	–	–	–	11	121	154	2	52	92
1966	13	146	–	–	–	12	125	161	1	21	36
1967	12	143	–	–	–	12	143	150	–	–	–
1968	21	319	–	–	–	18	256	291	3	63	113
1969	22	418	–	–	–	14	217	247	8	201	381
1970	13	342	–	–	–	6	120	134	7	222	427
1971	14	394	–	–	–	6	151	169	8	243	472

– Represents zero.

Source: Through 1960, American Bureau of Shipping, New York, N.Y., annually in *The Bulletin;* thereafter, U.S. Maritime Administration, *New Ship Construction*, annual.

No. 959. Shipbuilding in Private Shipyards—Summary: 1960 to 1971

[**Tons in thousands: Gross tons for commercial vessels, light displacement tons for naval vessels.** Covers steel self-propelled vessels of 1,000 tons or over]

Item	1960		1965		1969		1970		1971	
	Number	Tons	Number	Tons	Number	Tons	Number	Tons	Number	Tons
COMMERCIAL VESSELS										
Under construction, Jan. 1	60	979	47	550	63	1,495	49	1,388	49	1,609
Contracted for	23	270	16	166	8	309	13	580	22	614
Launched	31	471	17	221	13	271	11	322	14	390
Delivered	25	404	18	203	22	416	13	370	14	407
Under construction, Dec. 31	58	844	45	513	49	1,388	49	[1] 1,609	57	1,816
NAVAL VESSELS										
Under construction, Jan. 1	52	334	101	537	133	701	108	621	82	588
Contracted for	19	115	23	158	6	80	6	132	15	88
Launched	16	170	15	102	28	142	23	117	21	90
Delivered	12	39	18	122	31	159	32	166	33	147
Under construction, Dec. 31	59	410	106	573	108	621	82	588	64	529

[1] Adjusted to account for major changes made during construction.

Source: Shipbuilders Council of America, Washington, D.C., *Annual Report*, and unpublished data.

No. 960. Vessels Repaired or Converted in Private Shipbuilding and Ship Repair Yards: 1950 to 1971

Year	Total		Vessels under 1,000 gross tons		Vessels over 1,000 gross tons	
	Yards reporting [1]	Vessels	Yards reporting	Vessels	Yards reporting	Vessels
1950	118	33,287	111	17,993	80	15,294
1955	144	35,413	130	21,122	89	14,291
1960	159	37,774	132	24,991	93	12,783
1965	136	35,600	117	22,900	93	12,700
1967	130	37,400	112	24,500	85	12,900
1968	128	37,200	114	24,300	81	12,900
1969	126	36,000	116	22,120	78	13,880
1970	122	39,200	110	26,800	75	12,400
1971	115	35,600	105	25,100	71	10,500

[1] Not additive.

Source: Shipbuilders Council of America, Washington, D.C., *Annual Report*, and unpublished data.

No. 961. Merchant Vessels Launched and Owned—World and United States: 1950 to 1971

[**Vessels of 100 gross tons and over.** Excludes sailing ships, nonpropelled craft, and all ships built of wood]

Year	World				United States			
	Launched		Owned		Launched		Owned	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
1950	990	3,489	27,922	83,996	51	437	4,531	27,404
1955	1,437	5,315	29,967	100,069	26	73	4,225	26,343
1960	2,020	8,356	34,056	129,339	60	485	3,845	24,781
1965	2,280	12,216	39,628	159,979	130	270	3,224	21,478
1969	2,819	19,315	48,246	211,294	174	400	2,972	19,507
1970	2,700	21,690	50,472	227,138	150	338	2,822	18,423
1971	2,645	24,860	52,997	246,840	242	482	3,070	16,211

Source: Lloyd's Register of Shipping, London, England, *Statistical Tables*, annual; and *Annual Summary of Merchant Ships Launched in the World.*

No. 962. Merchant Fleets of the World, by Type of Vessel, 1968 and 1970, and Country of Registration, 1970

[**Vessels of 1,000 gross tons and over.** As of December 31. Specified countries have 100 or more ships]

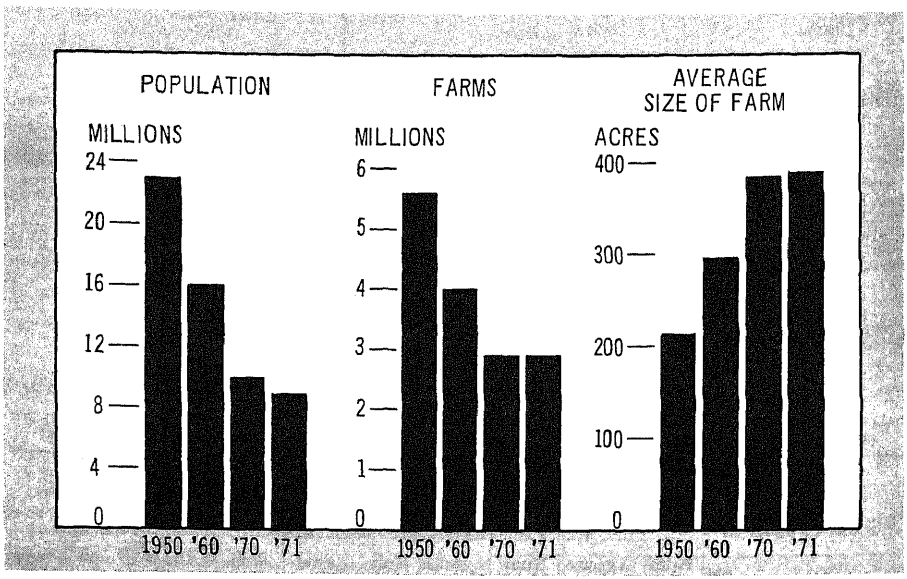
Country of registry	Total		Combination passenger and cargo		Freighters		Bulk carriers [1]		Tankers	
	Number	Average age (years)	Number	Average age (years)	Number	Average age (years)	Number	Average age (years)	Number	Average age (years)
1968, world total	**19,361**	**13**	**989**	**20**	**11,868**	**15**	**2,609**	**9**	**3,895**	**11**
United States	2,071	22	195	23	1,511	22	53	23	312	19
Foreign	17,290	12	794	20	10,357	14	2,556	8	3,583	10
1970, world total	**19,980**	**13**	**895**	**21**	**11,899**	**13**	**2,954**	**8**	**4,232**	**11**
United States	**1,579**	**22**	**171**	**25**	**1,076**	**23**	**38**	**25**	**294**	**19**
Privately owned	793	19	19	16	475	18	37	25	262	18
Government-owned	786	26	152	26	601	26	1	27	32	27
Foreign	**18,401**	**12**	**724**	**20**	**10,823**	**13**	**2,916**	**8**	**3,938**	**10**
Argentina	147	21	12	19	70	21	10	12	55	22
Australia	101	12	4	13	42	13	41	11	14	11
Brazil	201	16	7	30	123	18	26	13	45	11
British Colonies [2]	115	13	5	28	65	14	27	12	18	10
Bulgaria	105	12	2	22	59	13	27	9	17	13
China (mainland)	221	22	22	28	156	23	19	19	24	16
China (Taiwan)	143	13	3	29	116	13	11	13	13	14
Cyprus	217	21	8	30	181	21	15	17	13	17
Denmark	285	8	12	16	194	9	26	4	53	6
Finland	204	12	4	21	141	12	15	11	44	12
France	457	11	19	16	242	12	61	8	135	10
Germany (East)	132	9	4	17	105	9	14	11	9	11
Germany, Fed. Rep. of	993	9	6	11	836	9	92	8	59	7
Greece	1,195	16	45	26	757	18	177	8	216	13
India	242	11	11	15	181	12	37	5	13	10
Indonesia	142	16	29	17	89	17	8	5	16	14
Italy	625	16	67	21	234	20	123	11	198	14
Japan	2,109	7	28	13	1,284	7	429	5	368	6
Korea (south)	103	14	1	24	67	17	17	8	18	10
Liberia	1,840	11	25	17	495	14	590	8	730	11
Netherlands	460	11	15	19	319	11	34	7	92	11
Norway	1,173	8	27	14	442	11	341	5	363	7
Panama	629	20	26	26	361	22	69	17	173	16
Philippines	167	16	17	10	118	17	10	13	22	16
Poland	222	10	2	17	174	10	41	10	5	14
Spain	403	16	37	23	227	18	30	9	109	11
Sweden	366	9	4	9	204	11	78	7	80	6
United Kingdom	1,772	11	75	18	967	12	296	9	434	9
U.S.S.R.	1,942	10	77	20	1,339	9	132	13	394	8
Yugoslavia	197	11	14	13	147	11	18	5	18	8
All others [3]	1,493	14	116	21	1,085	14	102	12	190	13

[1] Includes ore carriers and ore/oil carriers.
[2] Comprises Bahama Islands, Bermuda, Cayman Island, Gibraltar, and Hong Kong.
[3] Includes countries with less than 100 merchant type ships of 1,000 gross tons and over.

Source: U.S. Maritime Administration, *A Statistical Analysis of the World's Merchant Fleets*, biennial.

FIG. XLII. FARM POPULATION, FARMS, AND FARM SIZE: 1950 TO 1971

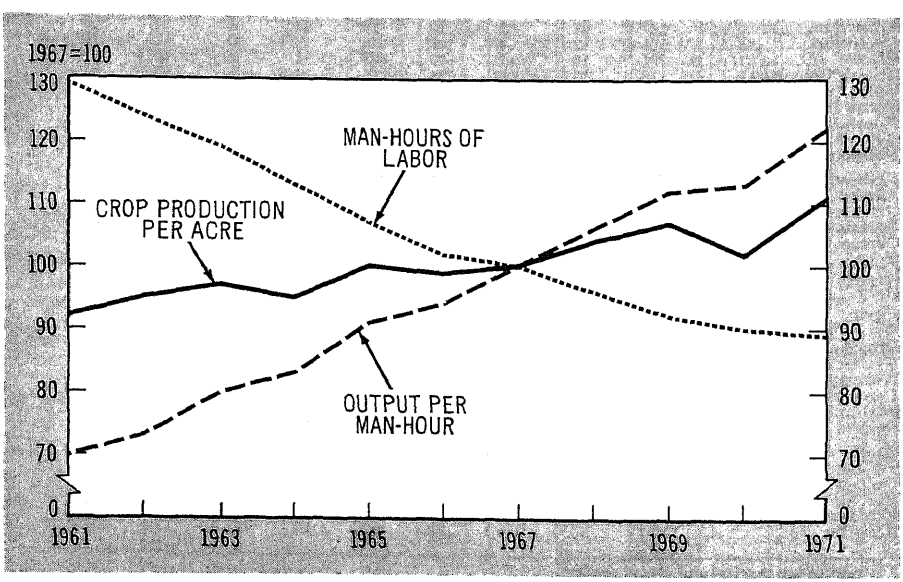
[See tables 963 and 967]



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Dept. of Agriculture, Economic Research Service.

FIG. XLIII. FARM PRODUCTION INDEXES: 1961 TO 1971

[See table 1000]



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Dept. of Agriculture, Economic Research Service.

Section 23

Agriculture

This section presents statistics concerning our agricultural economy. Included are data on farms and farm population; land use and conservation; farm income, expenditures, and debt; farmer cooperatives; farm output and marketings; trade in agricultural products; and data on specific crops, and on livestock, poultry, and their products.

The principal sources of these data are reports issued by the Bureau of the Census, which conducts a census of agriculture every 5 years and censuses of irrigation and of drainage every 10 years; and three annual reports, *Agricultural Statistics*, *Crop Production*, and *Crop Values*, issued by the Statistical Reporting Service, Department of Agriculture. Other important sources include *The Balance Sheet of Agriculture*, *Changes in Farm Production and Efficiency*, *The Farm Income Situation*, and other *Situation* reports, issued by the Economic Research Service, Department of Agriculture. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade*, also published by the Economic Research Service, and the reports of the Bureau of the Census, particularly Report FT 135, *U.S. Imports, General and Consumption, Schedule A Commodity and Country*, and Report FT 410, *U.S. Exports, Schedule B Commodity and Country*.

A census of agriculture has been taken by enumeration of individual farms every 10 years since 1840 and every 5 years since 1920. The first census included such items as numbers of livestock, production of wool, value of poultry and dairy products, and production of principal crops. Data on number, acreage, and value of farms were first obtained in the 1850 census; on farm tenure, in 1880; and on a detailed classification of farmland by use, in 1925. The 1964 Census of Agriculture is the most recent one for which complete data are available. Publication of the 1969 census results for counties was completed in April 1972.

Annual agricultural statistics of a wide variety have been issued by the Department of Agriculture for over 100 years. The 44 field offices of the Statistical Reporting Service collect data from voluntary reporters and from objective yield measurements taken in selected fields. State estimates and other information are sent to the Crop Reporting Board of the Statistical Reporting Service, which issues reports containing State, regional, and national data.

Statistics compiled by the Statistical Reporting Service on crops, livestock and livestock products, agricultural prices, farm employment, and other related subjects are based mainly on data obtained through mail questionnaires. The basic information is obtained from over 1.1 million reporters, mostly farmers, who report for their own and nearby farms on some 150 crops and 50 livestock items, and scores of other items pertaining to agricultural production and farm family living.

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. In the 1959, 1964, and 1969 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least $250, and places of 10 or more acres if such sales amounted to at least $50. In the 1950 and 1954 censuses, places of 3 or more acres were counted as farms if the annual *value* of agricultural products, whether for home use or for sale, but exclusive of home-garden products, amounted to $150 or more; places of less than 3 acres were counted as farms only if the annual *sales* amounted to $150 or more. For definitions used in earlier censuses, see *U.S. Census of Agriculture: 1964*, vol. II, Introduction.

Estimates based on evaluation studies of the 1959 and 1964 census results indicate an underenumeration of 341 thousand farms in 1959, 8.4 percent of the estimated total number, and of 401 thousand farms, or 11.3 percent, in 1964. In both censuses, the estimated underenumeration of land in farms amounted to 71.5 million acres, or 6 percent of the estimated total acreage. Except as noted, data from those censuses have not been adjusted for the estimated underenumeration. Additional details are given in *U.S. Census of Agriculture: 1959*, and *1964;* vol. II, Introduction.

Currently included as farms are such agricultural enterprises as nurseries, greenhouses, hothouses, sod farms, mushroom houses, and cranberry bogs; excluded are fish farms, fish hatcheries, oyster farms, frog farms, kennels, game preserves, parks, and the like. In the case of landowners who had one or more tenants, renters, croppers, or managers, the land operated by each was counted as a separate farm.

In the 1964 and 1969 censuses, farms with sales of $2,500 or more were asked to report in greater detail than smaller farms. Those with sales of $50 to $2,499 were classified as part-retirement or part-time if the operator was over 65 years of age or worked off the farm 100 or more days during the year.

Farmland refers to all land under the control of a farm operator and considered as part of his farm, including land not actually under cultivation or used for pasture or grazing. Rent-free land was included as part of the farm only if the operator had sole use of it. Land used for pasture or grazing that was neither owned nor leased by the farm operator is not included.

Irrigation.—Irrigated land is defined by the Bureau of the Census as net acreage of farm land to which irrigation water is applied during the census year. Types of land usage included in "net acreage" have varied from census to census but lands not irrigated during the year and irrigated nonfarm land have always been excluded. In addition to information on irrigation collected from individual farms as part of the quinquennial Census of Agriculture, the Bureau of the Census collects data on the operation of irrigation water supply organizations at 10-year intervals. An irrigation organization is defined as a group of two or more water users, a company, a corporation, or a governmental district or agency that operates facilities to supply water for irrigation of farm and ranch lands. All censuses of irrigation organizations from 1920 to 1969 covered the 17 conterminous Western States and Louisiana, and some censuses included Arkansas and/or Florida. A few items of data on farm irrigation were published for all States. In 1969, irrigation information was collected from farms and irrigation organizations for all States.

Soil conservation.—Soil conservation district legislation has been enacted in all 50 States, Puerto Rico, and the Virgin Islands. Soil conservation districts have broad responsibility and authority for conservation and development of soil, water, and related resources. In most cases, districts have authority to accept Federal, State, county, and private assistance for their soil and water conservation programs.

Farm income.—Cash income is the cash receipts from farm marketings and Government payments made directly to farmers for farm related activities. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market. Gross farm income includes cash income, value of farm products consumed in farm homes, and rental value of farm homes.

Information on prices received is obtained by the Statistical Reporting Service of the Department of Agriculture from over 6,500 voluntary reporters, including farmers, local merchants, and handlers of agricultural products. Season average prices received by farmers are calculated by weighting midmonth prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins.

Crop reporting.—Estimates by the Department of Agriculture's Statistical Reporting Service of crop acreage and production for the census years are set up currently from available information and, if necessary, are later revised to a level based largely

on the census enumerations. Estimates for intercensal years are based on sample data obtained each year from individual reporters, supplemented by State assessors' enumerations of agricultural information, reports of carlot shipments, warehouse receipts, local surveys, objective yield counts, personal observations by field statisticians, and reports from other sources. Cotton acreage and production are also based on sample data and on ginning information gathered by the Bureau of the Census.

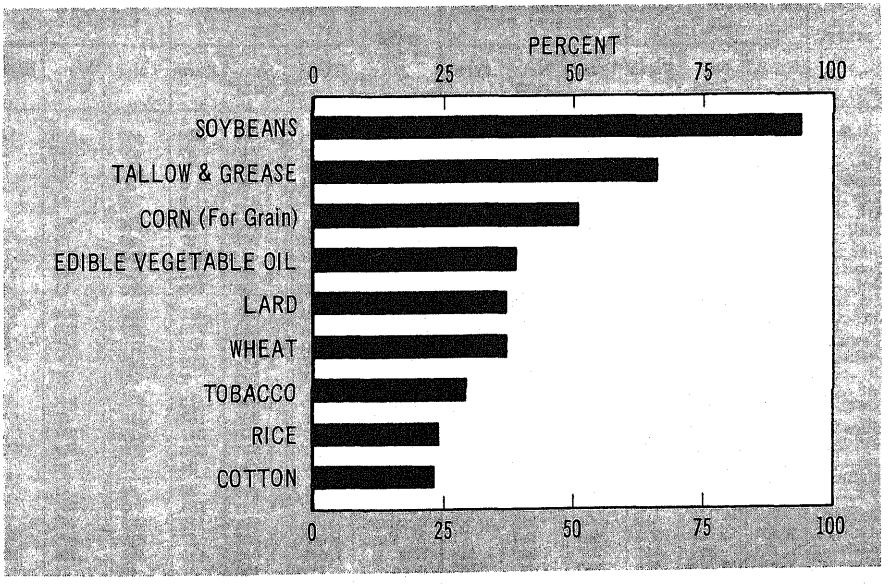
Livestock.—Each census of agriculture from 1840 through 1900 was taken as of June 1. The various quinquennial and decennial censuses since then have been taken as of January, April, or the fall, as specified in the published results. Comparison of livestock inventories from census to census is seriously affected by changes in date of enumeration. From January to April, and from October and November to January, material changes occur in numbers on hand in most parts of the country, due to births, marketings, farm slaughter, etc. Volume II of *U.S. Census of Agriculture: 1964* shows a complete history of the enumeration of livestock and analyzes comparability from census to census.

Annual inventory numbers of livestock on farms and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers, supplemented by State assessors' data and by records of brand inspections, rail and truck shipments, and slaughter. The level for these inventories is based largely on interpretations of quinquennial census enumerations.

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

FIG. XLIV. SELECTED AGRICULTURAL PRODUCTS—U.S. EXPORTS AS PERCENT OF WORLD TOTAL: 1971

[See table 1004]



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Dept. of Agriculture, Foreign Agricultural Service.

No. 963. Farm Population and Components of Change: 1920 to 1971

[**In thousands, except as indicated.** Prior to 1959, excludes Alaska and 1960, Hawaii. Beginning 1945, figures provide a continuous series approximating the current definition of farm population; see text, p. 2. See *Historical Statistics, Colonial Times to* 1957, series C 74-79, for estimates for 1920 to 1944]

YEAR	Farm population, Apr. [1]	NET CHANGE SINCE PRECEDING APRIL		FARM POPULATION AS PERCENT OF—		YEAR	Farm population, Apr. [1]	NET CHANGE SINCE PRECEDING APRIL		FARM POPULATION AS PERCENT OF—	
		Births and deaths	Migration [1]	Total population [2]	Rural population			Births and deaths	Migration [1]	Total population [2]	Rural population
1920	31,974	(NA)	(NA)	30.1	62.0	1957	17,656	239	−1,295	10.4	(NA)
1925	31,190	500	−487	27.0	(NA)	1958	17,128	220	−748	9.9	(NA)
1930	30,529	426	−477	24.9	56.7	1959	16,592	203	−740	9.4	(NA)
1935	32,161	383	−527	25.3	(NA)	1960	15,635	184	−1,142	8.7	28.9
1940	30,547	410	−703	23.2	54.4	1961	14,803	168	−1,000	8.1	(NA)
1945	24,420	353	−748	17.5	(NA)	1962	14,313	156	−646	7.7	(NA)
1948	24,383	443	−1,889	16.7	(NA)	1963	13,367	140	−1,086	7.1	(NA)
1949	24,194	397	−586	16.3	(NA)	1964	12,954	121	−533	6.8	(NA)
1950	23,048	392	−1,537	15.3	42.5	1965	12,363	112	−703	6.4	(NA)
1951	21,890	373	−1,531	14.2	(NA)	1966	11,595	90	−858	5.9	(NA)
1952	21,748	341	−483	13.9	(NA)	1967	10,875	73	−793	5.5	(NA)
1953	19,874	328	−2,201	12.5	(NA)	1968	10,454	60	−481	5.2	(NA)
1954	19,019	296	−1,151	11.8	(NA)	1969	10,307	51	−198	5.1	(NA)
1955	19,078	268	−210	11.6	(NA)	1970	9,712	47	−642	4.8	18.0
1956	18,712	261	−627	11.2	(NA)	1971	9,425	43	−330	4.6	(NA)

NA Not available.

[1] Beginning 1940, includes inductions and enlistments into Armed Forces, and persons returning from Armed Forces. Beginning 1960, April-centered annual averages. For all years, includes persons who did not move but who were in and out of the farm population because agricultural operations began or ceased, respectively, on the place where they were living.

[2] Includes Armed Forces abroad.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Population, Estimates for 1910-62*, and *Farm Population Estimates*, annual.

No. 964. Rural Population and Occupied Rural Housing Units, by Farm-Nonfarm Residence—States: 1970

[**In thousands.** As of April 1. Based on 20-percent sample]

STATE	RURAL POPULATION			OCCUPIED RURAL HOUSING UNITS			STATE	RURAL POPULATION			OCCUPIED RURAL HOUSING UNITS		
	Total	Nonfarm	Farm	Total	Nonfarm	Farm		Total	Nonfarm	Farm	Total	Nonfarm	Farm
U.S.	**53,879**	**45,587**	**8,292**	**15,878**	**13,477**	**2,401**	Mo.	1,400	1,040	359	452	338	113
							Mont.	322	240	82	97	74	23
Ala.	1,432	1,272	160	416	369	47	Nebr.	569	331	238	181	113	68
Alaska	154	153	1	38	38	(Z)	Nev.	94	86	8	30	27	2
Ariz.	363	340	23	102	96	6	N.H.	321	312	9	96	94	3
Ark.	961	787	174	299	246	53	N.J.	795	762	32	235	226	9
Calif.	1,820	1,635	185	543	488	55	N. Mex.	305	268	37	80	69	10
Colo.	471	385	86	142	117	25	N.Y.	2,633	2,442	191	753	702	51
Conn.	688	673	15	196	191	5	N.C.	2,797	2,422	375	815	705	110
Del.	153	142	11	47	44	3	N. Dak.	344	192	152	102	61	40
Fla.	1,322	1,250	72	421	399	22	Ohio	2,629	2,258	371	753	646	108
Ga.	1,823	1,651	172	522	471	51	Okla.	818	643	175	267	209	58
Hawaii	131	125	6	33	32	2	Oreg.	689	587	102	212	182	31
Idaho	325	232	94	96	70	26	Pa.	3,367	3,141	225	990	930	59
Ill.	1,888	1,459	429	574	443	130	R.I.	124	121	2	32	31	1
Ind.	1,823	1,448	375	544	429	115	S.C.	1,359	1,247	112	373	344	30
Iowa	1,208	695	512	373	230	144	S. Dak.	369	206	163	110	66	44
Kans.	762	524	238	245	171	74	Tenn.	1,617	1,300	317	488	391	98
Ky.	1,533	1,152	382	456	341	115	Tex.	2,267	1,881	386	699	573	126
La.	1,232	1,119	114	337	306	32	Utah	206	180	26	55	49	7
Maine	488	465	23	146	140	6	Vt.	301	275	26	88	81	6
Md.	918	855	62	255	237	18	Va.	1,717	1,525	193	492	434	57
Mass.	879	860	19	251	245	6	Wash.	933	821	112	285	253	32
Mich.	2,320	2,042	278	664	587	77	W. Va.	1,065	1,007	57	318	300	17
Minn.	1,278	824	455	370	252	118	Wis.	1,508	1,093	415	427	324	103
Miss.	1,230	1,019	210	339	282	57	Wyo.	132	100	31	40	31	9

Z Less than 500.

Source: U.S. Bureau of the Census, *1970 Census Farm-Nonfarm Data* (tabular release), June 6, 1972.

No. 965. Farm Population Characteristics: 1960 and 1970

[In thousands, except as indicated. 1960, as of April; 1970, April-centered annual averages]

Characteristic	Total		Male		Female		Percent distribution, both sexes	
	1960	1970	1960	1970	1960	1970	1960	1970
Total	**15,669**	**9,712**	**8,184**	**5,004**	**7,485**	**4,708**	**100.0**	**100.0**
White	13,092	8,775	6,871	4,524	6,221	4,251	83.6	90.4
Negro and other	2,577	938	1,313	480	1,264	458	16.4	9.7
Under 14 years of age	4,995	2,490	2,586	1,274	2,409	1,216	31.9	25.6
14 years of age and over	10,674	7,222	5,598	3,730	5,076	3,492	68.1	74.4
14–19 years	1,868	1,316	1,011	714	857	602	11.9	13.6
20–24 years	763	502	426	269	337	232	4.9	5.2
25–34 years	1,461	770	731	371	730	399	9.3	7.9
35–44 years	1,803	1,061	881	518	922	543	11.5	10.9
45–64 years	3,453	2,452	1,830	1,259	1,623	1,192	22.0	25.3
65 years and over	1,326	1,122	719	599	607	523	8.5	11.6
In labor force, 14 years of age and over [1]	6,266	4,293	4,743	2,974	1,523	1,319	58.7	59.4
Employed in agriculture	4,025	2,333	3,388	1,902	637	431	64.2	54.3
Self-employed	2,405	1,411	2,313	1,352	92	59	38.4	32.9
Wage and salary	782	395	691	349	91	46	12.5	9.2
Unpaid family workers	838	526	384	200	454	326	13.4	12.3
Employed in nonagricultural industries	2,064	1,878	1,252	1,030	812	849	33.0	43.7
Self-employed	(2)	159	(2)	112	(2)	47	(2)	3.7
Wage and salary	(2)	1,698	(2)	912	(2)	786	(2)	39.6
Unpaid family workers	(2)	21	(2)	5	(2)	16	(2)	0.5
Not in labor force	4,408	2,929	855	756	3,553	2,173	41.3	40.6

[1] Includes unemployed, not shown separately. [2] Comparable figures not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–27, No. 42.

No. 966. Characteristics of Farm Operators: 1959 and 1969

[In thousands; except as indicated]

Item	1959		1969	
	Total	Percent	Total	Percent
Total	**3,708**	**100.0**	**2,730**	**100.0**
Race and residence:				
White	3,423	92.3	2,626	96.1
Negro and other	285	7.7	104	3.8
North	1,715	46.3	1,304	47.7
South	1,645	44.4	1,161	42.5
White	1,379	37.2	1,071	39.2
Negro and other	266	7.2	90	3.3
West	349	9.4	265	9.7
Residence:				
On-farm operated	3,236	87.3	1,983	72.6
Off-farm operated	267	7.2	458	16.7
Not reporting	207	5.6	290	10.6
Age:				
Under 25 years	62	1.7	53	1.9
25–34 years	403	10.9	274	10.0
Age—Continued:				
35–44 years	806	21.7	523	19.1
45–54 years	980	26.4	724	26.5
55–64 years	803	21.6	704	25.7
65 years or more	617	16.6	453	16.5
Not reporting age	37	1.0	–	–
Average age ... years	50.5	(X)	51.2	(X)
Years on present farm:				
Less than 5	639	17.2	(NA)	(NA)
5–9	630	17.0	(NA)	(NA)
10 or more	2,340	63.1	(NA)	(NA)
Not reporting	100	2.7	(NA)	(NA)
Days working off farm:				
Less than 100	556	15.0	392	14.3
100–199	230	6.2	220	8.0
200 or more	878	23.7	871	31.9
None or not reporting	2,044	55.1	1,248	45.7

– Represents zero. NA Not available. X Not applicable.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1964*, vol. II. and *1969 United States Summary of County Reports*.

No. 967. Farms—Number and Acreage: 1920 to 1972

[Prior to 1959, excludes Alaska and Hawaii. Estimated. For definition of farms and farmland, see text, pp. 581–583. See also *Historical Statistics, Colonial Times to 1957*, series K 1–2]

Year	Farms [1]		Land in farms		Year	Farms [1]		Land in farms	
	Number (1,000)	Annual change [2] (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change [2] (1,000)	Total (mil. acres)	Average per farm (acres)
1920	6,518	(X)	956	147	1958	4,233	−139	1,185	280
1925	6,471	−9	924	143	*1959*	4,105	−128	1,183	288
1930	6,546	15	987	151	1960	3,962	−143	1,177	297
1935	6,814	54	1,055	155					
1940	6,350	−93	1,061	167	1961	3,821	−141	1,170	306
					1962	3,685	−136	1,161	315
1945	5,967	−77	1,142	191	1963	3,561	−124	1,153	324
1948	5,803	−55	1,152	199	*1964*	3,442	−119	1,147	333
1949	5,722	−81	1,155	202	1965	3,340	−102	1,142	342
1950	5,648	−74	1,202	213					
1951	5,428	−220	1,204	222	1966	3,239	−101	1,137	351
1952	5,198	−230	1,205	232	1967	3,146	−93	1,132	360
1953	4,984	−214	1,206	242	1968	3,054	−92	1,128	369
1954	4,798	−186	1,206	251	*1969*	2,971	−83	1,124	378
1955	4,654	−144	1,202	258	1970	2,924	−47	1,121	383
1956	4,514	−140	1,197	265	1971	2,876	−48	1,117	389
1957	4,372	−142	1,191	273	1972 (prel.)	2,831	−45	1,114	394

X Not applicable.
[1] Census years (indicated by italics) have been adjusted for underenumeration and for changes in definition of a farm; other years are based on trend and on indications of change in acreage and livestock surveys.
[2] Average annual change from preceding year shown.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Number of Farms, 1910–1959; Land in Farms, 1950–1959, By States*, 1962 (Statistical Bulletin No. 316), supplemented annually by *Number of Farms and Land in Farms* and unpublished data.

No. 968. Farms—Number, by Size, 1950 to 1969, and by Acreage, 1969

[1954 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 61–72]

Size of farm	Number of farms (1,000)					1969				
						Land in farms (1,000 acres)	Cropland harvested (1,000 acres)	Percent distribution		
	1950	1954	1959	1964	1969			Number of farms	All land in farms	Cropland harvested
Total	**5,388**	**4,782**	**3,711**	**3,158**	**2,730**	**1,063,346**	**845,545**	**100.0**	**100.0**	**100.0**
Under 10 acres	489	484	244	133	162	568	333	5.9	0.1	(Z)
10–49 acres	1,480	1,213	813	637	473	13,253	9,301	17.3	1.2	1.1
50–99 acres	1,048	864	658	542	460	33,621	26,779	16.8	3.2	3.2
100–179 acres	1,103	953	773	633	542	74,006	63,918	19.9	7.0	7.6
180–259 acres	487	464	414	355	307	66,378	59,836	11.2	6.2	7.1
260–499 acres	478	482	472	451	419	149,309	137,773	15.3	14.0	16.3
500–999 acres	182	192	200	210	216	147,801	136,330	7.9	13.9	16.1
1,000–1,999 acres	121	130	79	85	91	123,612	112,323	3.3	11.6	13.3
2,000 acres and over			57	60	60	454,799	298,951	2.2	42.8	35.4

Z Less than 0.05 percent.

Source: U.S. Bureau of the Census, U.S. Census of Agriculture: *1964*, vol. II and *1969, United States Summary of County Reports*.

No. 969. Farms—Number and Acreage, by Type of Organization: 1969

[Farms in thousands; acres in millions. Covers farms with sales of $2,500 or more]

Type of organization	Farms	Acres	Type of organization	Farms	Acres
Total	**1,734**	**918**	Individual or family	1,481	666
			Percent of total	54.2	62.6
Corporation	22	81			
Less than 11 shareholders	20	66	Partnership	222	163
11 shareholders or more	2	14	Other	10	8

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969, United States Summary of County Reports*.

No. 970. Farms—Number, Acreage, and Value, by Tenure of Operator: 1940 to 1969

[**Number of farms in thousands; land in farms in millions of acres, except as indicated.** Minority race breakdown for "all farms" for 1954 and 1959, and average value of farms, 1950 through 1964, based on sample. See also *Historical Statistics, Colonial Times to 1957*, series, K 8-52]

Item	All farms	Full owner		Part owner		Manager	Tenant	
		Total	Percent of all farms	Total	Percent of all farms		Total	Percent of all farms
Number of farms:								
United States: 1940	6,102	3,085	50.6	616	10.1	37	2,365	38.8
1950	5,388	3,092	57.4	826	15.3	24	1,447	26.9
1954 [1]	4,782	2,737	57.2	857	17.9	21	1,168	24.4
1959	3,711	2,119	57.1	811	21.9	21	760	20.5
1964	3,158	1,818	57.6	782	24.8	18	540	17.1
1969	2,730	1,706	62.5	672	24.6	(2)	353	12.9
South: 1940	3,007	1,328	44.2	217	7.2	14	1,449	48.2
1950	2,652	1,411	53.2	326	12.3	10	905	34.1
1954	2,317	1,266	54.6	345	14.9	9	696	30.0
1959	1,646	942	57.2	314	19.1	9	381	23.1
1964	1,373	809	58.9	304	22.1	7	254	18.5
1969	1,161	780	67.2	245	21.1	(2)	136	11.7
Minority races: 1940	680	142	20.9	31	4.6	(z)	507	74.6
1950	559	141	25.2	52	9.3	(z)	366	65.5
1954	463	130	28.1	51	11.0	(z)	283	60.9
1959	266	90	33.8	38	14.3	(z)	138	51.9
1964	185	71	38.4	31	16.8	(z)	82	44.3
1969	104	63	60.6	19	18.3	(2)	21	20.2
Land in farms:								
United States: 1940	1,065	382	35.9	301	28.3	69	313	29.4
1950	1,161	419	36.1	423	36.4	107	212	18.3
1954 [1]	1,158	396	34.2	470	40.6	100	193	16.7
1959	1,124	349	31.0	498	44.3	110	167	14.9
1964	1,110	319	28.7	533	48.0	113	145	13.1
1969	1,063	375	35.2	551	51.8	(2)	138	13.0
Average value of land and buildings:								
United States: 1940	$5,532	$4,959	(x)	$9,936	(x)	$42,208	$4,566	(x)
1950	13,932	10,719	(x)	25,137	(x)	153,043	12,926	(x)
1954 [1]	19,761	14,511	(x)	35,764	(x)	165,800	19,464	(x)
1959 [3]	33,175	22,478	(x)	56,660	(x)	244,714	36,159	(x)
1964	50,646	(NA)	(x)	(NA)	(x)	(NA)	(NA)	(x)
1969	75,725	(NA)	(x)	(NA)	(x)	(2)	(NA)	(x)

NA Not available. X Not applicable. Z Less than 500. [1] Excludes Alaska and Hawaii.
[2] Not enumerated separately in 1969. [3] Excludes Hawaii.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1959*, vol. II, *1964*, vol. II, and *1969*, *United State Summary of County Reports*.

No. 971. Income Per Farm-Operator Family, by Value of Sales Class: 1960, 1965, and 1970

[Covers only farms with sales of products]

Sales class	1960			1965			1970		
	Total income [1]	Realized net income [1]	Off-farm income	Total income [1]	Realized net income [1]	Off-farm income	Total income [1]	Realized net income [1]	Off-farm income
All farms	**$5,102**	**$2,962**	**$2,140**	**$7,941**	**$4,190**	**$3,751**	**$11,207**	**$5,374**	**$5,833**
Less than $2,500	3,581	850	2,731	5,620	974	4,646	9,013	1,059	7,954
$2,500–$4,999	3,810	1,961	1,849	5,442	1,972	3,470	7,514	2,049	5,465
$5,000–$9,999	4,878	3,305	1,573	6,752	3,519	3,233	8,476	3,492	4,984
$10,000–$19,999	6,626	5,368	1,258	8,515	6,199	2,316	9,660	6,208	3,452
$20,000–$39,999	10,330	8,652	1,678	12,449	9,937	2,512	13,465	9,962	3,503
$40,000 and over	21,132	18,955	2,177	29,920	25,451	4,469	31,467	25,664	5,803

[1] Includes Government payments and nonmoney income from farm food and housing.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Farm Income Situation*.

No. 972. Farms—Number, Acreage, and Value of Sales, by Economic Class: 1959, 1964, and 1969

[Based on reports for a sample of farms]

Economic class of farms (value of farm products sold)	Farms (1,000)	Acreage		Value of sales		Percent distribution		
		Total (1,000)	Average per farm	Total (mil. dol.)	Average per farm (dol.)	Farms	Acreage, total	Value of sales, total
1959								
Farms with sales of $2,500 or more	2,067	940,176	455	29,003	14,031	100.0	100.0	100.0
$2,500–$4,999	618	118,546	192	2,275	3,683	29.9	12.6	7.8
$5,000–$9,999	654	188,531	288	4,723	7,223	31.6	20.1	16.3
$10,000–$19,999	483	214,907	445	6,705	13,882	23.4	22.9	23.1
$20,000–$39,999	210	166,444	791	5,648	26,842	10.2	17.7	19.5
$40,000 and over	102	251,748	2,466	9,652	94,536	4.9	26.8	33.3
Farms with sales less than $2,500	1,638	140,327	86	1,514	925	100.0	100.0	100.0
$50–$2,499	349	37,100	106	461	1,321	21.3	26.4	30.4
Part-time	885	67,627	76	708	801	54.0	48.2	46.8
Part-retirement	404	35,600	88	345	854	24.7	25.4	22.8
Abnormal	3	42,876	14,007	109	35,528	100.0	100.0	100.0
1964								
Farms with sales of $2,500 or more	1,817	922,974	508	34,004	18,710	100.0	100.0	100.0
$2,500–$4,999	444	91,540	206	1,611	3,629	24.4	9.9	4.7
$5,000–$9,999	505	157,921	313	3,653	7,240	27.8	17.1	10.7
$10,000–$19,999	467	217,356	465	6,614	14,160	25.7	23.5	19.4
$20,000–$39,999	260	185,726	715	7,114	27,373	14.3	20.1	20.9
$40,000 and over	142	270,430	1,906	15,011	105,786	7.8	29.3	44.1
Farms with sales less than $2,500	1,338	137,605	103	1,143	854	100.0	100.0	100.0
$50–$2,499	348	42,484	122	364	1,044	26.0	30.9	31.8
Part-time	639	58,379	91	495	774	47.8	42.4	43.3
Part-retirement	351	36,741	105	284	810	26.2	26.7	24.8
Abnormal	2	49,608	22,777	146	66,958	100.0	100.0	100.0
1969								
Farms with sales of $2,500 or more	1,734	918,313	530	44,521	25,680	100.0	100.0	100.0
$2,500–$4,999	395	75,868	192	1,346	3,406	22.8	8.3	3.0
$5,000–$9,999	390	106,832	274	2,814	7,208	22.5	11.6	6.3
$10,000–$19,999	395	171,209	433	5,693	14,396	22.8	18.6	12.8
$20,000–$39,999	331	207,286	626	9,267	27,990	19.1	22.6	20.8
$40,000 and over	222	357,117	1,611	25,401	114,579	12.8	38.9	57.1
Farms with sales less than $2,500	994	89,780	90	935	940	100.0	100.0	100.0
$50–$2,499	193	18,514	96	188	977	19.4	20.6	20.1
Part-time	575	49,298	86	532	926	57.8	54.9	56.9
Part-retirement	227	21,969	97	215	947	22.9	24.5	23.0
Abnormal	2	55,254	26,174	153	72,267	100.0	100.0	100.0

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1964* and *1969*, vol. II.

No. 973. Farmer Cooperatives—Number, Memberships, and Business: 1950 to 1970

[For years ending June 30, with limited exceptions. 1950 excludes Alaska and Hawaii. Memberships and businesses are estimated. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Data are for marketing season during which farm products are moved into channels of trade. Marketing seasons overlap. See also *Historical Statistics, Colonial Times to 1957*, series K 181-189]

Year	Cooperatives listed			Memberships [2] (1,000)			Business [3] (mil. dol.)		
	Total	Marketing [1]	Farm supply	Total	Marketing [1]	Farm supply	Total	Marketing [1]	Farm supply
1950	10,035	6,922	3,113	6,584	4,075	2,509	8,726	7,083	1,643
1955	9,903	6,557	3,346	7,604	4,281	3,323	9,642	7,620	2,022
1960	9,345	6,048	3,297	7,273	3,673	3,600	12,036	9,628	2,408
1965	8,583	5,498	3,085	7,082	3,831	3,251	14,742	11,832	2,910
1967	8,125	5,254	2,871	6,502	3,333	3,169	16,557	13,218	3,339
1968	7,940	5,105	2,835	6,445	3,258	3,187	17,050	13,505	3,545
1969	7,747	4,954	2,793	6,364	3,174	3,190	17,387	13,772	3,615
1970 (prel.)	7,790	5,015	2,775	6,355	3,133	3,222	19,078	15,207	3,871

[1] Includes service associations. [2] Excludes nonvoting patrons.
[3] Value of commodities sold or purchased for patrons and charges for rendering other services in marketing or purchasing. Beginning 1955, adjusted for duplication resulting from intercooperative business.

Source: U.S. Dept. of Agriculture, Farmer Cooperative Service, *Statistics of Farmer Cooperatives*, annual.

No. 974. Farms—Number, Acreage, and Value, by States: 1959 and 1969

[For composition of regions, see fig. I, p. xii]

STATE	NUMBER OF FARMS (1,000)		ALL LAND IN FARMS (1,000 acres)		AVERAGE ACREAGE PER FARM		TOTAL VALUE [1] (mil. dol.)		AVERAGE VALUE PER FARM [1] ($1,000)		VALUE OF FARM PRODUCTS SOLD (mil. dol.)	
	1959	1969	1959	1969	1959	1969	1959	1969	1959	1969	1959	1969
U.S.	**3,711**	**2,730**	**1,123,508**	**1,063,347**	**303**	**390**	**129,005**	**206,751**	**35**	**76**	**30,493**	**45,609**
North	1,715	1,304	421,440	399,052	246	306	61,761	95,418	36	73	15,294	22,918
South	1,646	1,161	357,448	332,808	217	287	39,011	69,664	24	60	8,884	13,354
West	349	265	344,620	331,486	987	1,250	28,233	41,668	81	157	6,315	9,337
N.E.	**56**	**29**	**9,315**	**5,599**	**164**	**196**	**1,414**	**1,803**	**25**	**62**	**592**	**683**
Maine	17	8	3,082	1,760	178	221	256	283	15	35	171	198
N.H.	7	3	1,124	613	172	211	118	146	18	50	48	49
Vt.	12	7	2,945	1,916	243	279	240	429	20	62	109	136
Mass.	11	6	1,142	701	102	123	354	396	32	69	126	139
R.I.	1	1	138	69	99	98	52	50	38	72	18	16
Conn.	8	4	884	541	107	121	393	499	47	111	120	146
M.A.	**197**	**123**	**26,731**	**20,085**	**135**	**163**	**4,879**	**7,222**	**25**	**59**	**1,699**	**2,138**
N.Y.	82	52	13,490	10,148	164	196	1,971	2,772	24	53	755	979
N.J.	15	8	1,379	1,036	89	122	717	1,131	46	133	231	214
Pa.	100	63	11,862	8,901	119	142	2,190	3,319	22	53	713	945
E.N.C.	**666**	**513**	**103,386**	**94,607**	**155**	**184**	**24,737**	**36,683**	**37**	**71**	**5,204**	**7,544**
Ohio	140	111	18,507	17,111	132	154	4,573	6,819	33	65	863	1,246
Ind.	128	101	18,613	17,573	145	173	4,933	7,136	38	70	946	1,400
Ill.	155	124	30,327	29,913	196	242	9,580	14,643	62	119	1,811	2,612
Mich.	112	78	14,783	11,901	132	153	2,855	3,883	26	50	623	829
Wis.	131	99	21,156	18,109	161	183	2,796	4,201	21	42	961	1,455
W.N.C.	**795**	**639**	**282,008**	**278,761**	**355**	**437**	**30,732**	**49,711**	**39**	**77**	**7,800**	**12,553**
Minn.	146	111	30,796	28,845	211	260	4,749	6,512	33	59	1,212	1,748
Iowa	175	140	33,831	33,570	194	239	8,587	13,150	49	94	2,284	3,656
Mo.	169	137	33,155	32,420	197	237	3,727	7,269	22	53	1,012	1,460
N. Dak.	55	46	41,466	43,118	755	930	2,141	4,045	39	87	469	749
S. Dak.	55	46	44,851	45,584	805	997	2,277	3,815	41	83	514	958
Nebr.	90	72	47,756	45,834	528	634	4,234	7,076	47	98	1,198	2,165
Kans.	104	86	50,153	49,390	481	574	5,017	7,843	48	91	1,111	1,818
S.A.	**592**	**371**	**83,341**	**68,031**	**141**	**184**	**12,832**	**20,513**	**22**	**55**	**3,247**	**4,874**
Del.	5	4	763	674	146	182	180	336	35	91	86	129
Md.	25	17	3,457	2,803	138	163	982	1,793	39	104	231	340
Va.	98	65	13,126	10,650	135	165	1,819	3,047	19	47	424	570
W. Va.	44	23	6,063	4,341	138	188	450	589	10	25	99	106
N.C.	191	119	15,888	12,734	83	107	2,949	4,244	15	36	797	1,195
S.C.	78	40	9,149	6,992	117	177	1,226	1,826	16	46	303	362
Ga.	106	67	19,658	15,806	185	234	1,908	3,701	18	55	607	1,040
Fla.	45	36	15,237	14,032	338	394	3,317	4,976	74	140	700	1,132
E.S.C.	**563**	**392**	**68,285**	**60,719**	**121**	**155**	**7,855**	**14,540**	**14**	**37**	**1,973**	**2,749**
Ky.	151	125	17,031	15,968	113	128	2,305	4,041	15	32	518	770
Tenn.	158	121	16,081	15,057	102	124	2,095	4,028	13	33	475	623
Ala.	116	72	16,543	13,654	143	188	1,480	2,725	13	38	414	670
Miss.	138	73	18,630	16,040	135	221	1,974	3,746	14	52	566	685
W.S.C.	**491**	**399**	**205,825**	**204,058**	**419**	**511**	**18,324**	**34,611**	**37**	**37**	**3,664**	**5,731**
Ark.	95	60	16,459	15,695	173	260	1,797	4,081	19	68	639	973
La.	74	42	10,347	9,789	139	232	1,766	3,145	24	74	335	496
Okla.	95	83	35,801	36,008	378	434	3,002	6,214	32	75	581	969
Tex.	227	214	143,218	142,567	631	668	11,759	21,170	52	99	2,109	3,293
Mt.	**149**	**120**	**264,428**	**256,525**	**1,774**	**2,139**	**10,878**	**17,444**	**73**	**87**	**2,354**	**3,839**
Mont.	29	25	64,081	62,918	2,213	2,522	2,223	3,748	77	150	377	576
Idaho	34	25	15,232	14,417	452	566	1,701	2,545	51	100	438	650
Wyo.	10	9	36,200	35,476	3,715	4,014	774	1,445	79	164	162	249
Colo.	33	28	38,787	36,697	1,162	1,313	2,053	3,471	61	124	580	1,101
N. Mex.	16	12	46,293	46,792	2,908	4,020	1,086	1,960	68	168	197	359
Ariz.	7	6	40,203	38,203	5,558	6,486	1,951	2,664	270	452	388	611
Utah	18	13	12,689	11,313	712	867	755	1,040	42	80	156	213
Nev.	2	2	10,943	10,708	4,649	5,070	334	571	142	271	57	81
Pac.	**200**	**145**	**80,190**	**74,962**	**401**	**516**	**17,355**	**24,224**	(NA)	**166**	**3,958**	**5,498**
Wash.	52	34	18,717	17,559	363	516	2,455	3,930	48	115	569	771
Oreg.	43	29	21,236	18,018	499	620	1,857	2,707	44	93	412	531
Calif.	99	78	36,888	35,722	372	459	13,026	16,956	131	218	2,822	3,904
Alaska	(Z)	(Z)	888	1,604	2,421	4,832	18	20	48	62	3	4
Hawaii	6	4	2,461	2,058	394	528	(NA)	611	(NA)	157	152	288

NA Not available. Z Less than 500.
[1] Value of land and buildings. Based on reports for a sample of farms; for 1959, excludes Hawaii.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1964*, vol. II and *1969, United States Summary of County Reports*.

No. 975. Farms, by Value of Products Sold, by States: 1969

[Preliminary. Based on reports for a sample of farms. For composition of regions, see fig. I, p. xii]

STATE	All farms	WITH SALES OF $2,500 OR MORE					WITH SALES LESS THAN $2,500			Abnormal
		$2,500–$4,999	$5,000–$9,999	$10,000–$19,999	$20,000–$39,999	$40,000 and over	Part-time	Part retirement	Other [1]	
U.S.	**2,730,250**	**395,104**	**390,425**	**395,472**	**330,992**	**221,690**	**574,546**	**227,346**	**192,564**	**2,111**
North	1,303,750	168,045	206,633	252,667	218,457	118,850	210,668	74,649	53,107	674
South	1,161,399	190,281	148,076	103,793	77,045	63,984	311,431	138,708	127,516	565
West	265,101	36,778	35,716	39,012	35,490	38,856	52,447	13,989	11,941	872
N.E.	**28,640**	**2,609**	**2,638**	**3,967**	**5,174**	**4,219**	**6,020**	**2,289**	**1,630**	**94**
Maine	7,971	670	720	1,092	1,263	1,358	1,575	711	568	14
N.H.	2,902	297	253	365	408	301	788	274	200	16
Vt.	6,874	457	547	1,119	1,814	913	1,308	449	255	12
Mass.	5,703	611	600	800	880	774	1,241	432	329	36
R.I.	700	79	87	85	112	99	161	40	33	4
Conn.	4,490	495	431	506	697	774	947	383	245	12
M.A.	**123,226**	**13,294**	**13,331**	**18,081**	**21,529**	**11,881**	**28,967**	**10,290**	**5,717**	**136**
N.Y.	51,909	4,816	5,272	8,164	10,481	5,671	11,348	4,052	2,062	43
N.J.	8,493	1,082	912	963	1,281	1,403	1,712	690	426	24
Pa.	62,824	7,396	7,147	8,954	9,767	4,807	15,907	5,548	3,229	69
E.N.C.	**513,295**	**71,842**	**78,882**	**88,659**	**76,187**	**39,559**	**104,341**	**32,712**	**20,913**	**200**
Ohio	111,332	17,617	16,465	14,645	11,627	5,915	29,714	9,494	5,791	64
Ind.	101,479	16,213	15,745	14,892	12,684	7,730	23,471	6,507	4,192	45
Ill.	123,565	14,171	18,729	25,097	25,859	16,630	14,943	4,519	3,595	22
Mich.	77,946	12,572	10,887	9,282	7,459	3,975	22,637	6,962	4,154	18
Wis.	98,973	11,269	17,056	24,743	18,558	5,309	13,576	5,230	3,181	51
W.N.C.	**638,589**	**80,300**	**111,782**	**141,960**	**115,567**	**63,191**	**71,340**	**29,358**	**24,847**	**244**
Minn.	110,747	14,144	20,976	27,081	19,509	7,315	13,126	4,513	4,055	28
Iowa	140,354	12,281	20,543	31,978	34,860	23,833	10,309	3,310	3,178	62
Mo.	137,067	24,340	23,346	19,410	13,021	6,386	28,584	12,854	9,097	20
N. Dak.	46,381	4,979	9,995	15,076	8,878	2,600	2,293	908	1,620	32
S. Dak.	45,726	4,544	8,109	12,931	10,285	4,601	2,407	1,257	1,536	56
Nebr.	72,257	7,108	12,114	17,691	15,902	10,570	4,437	2,170	2,247	18
Kans.	86,057	12,904	16,699	17,793	13,112	7,886	10,184	4,346	3,114	19
S.A.	**370,567**	**55,178**	**49,146**	**36,036**	**27,636**	**25,003**	**94,328**	**44,645**	**38,344**	**251**
Del.	3,710	473	434	428	543	937	515	218	160	2
Md.	17,181	2,547	2,298	2,047	2,341	2,357	3,419	1,238	919	15
Va.	64,572	10,677	8,760	5,313	3,525	2,816	16,935	9,149	7,343	54
W. Va.	23,142	2,828	1,762	1,000	653	421	8,948	4,337	3,173	20
N.C.	119,386	18,647	18,710	13,614	8,787	5,956	26,775	13,706	13,145	46
S.C.	39,559	5,576	4,575	3,233	2,129	1,900	11,395	5,723	5,004	24
Ga.	67,431	8,860	8,070	7,066	7,054	6,566	16,790	7,036	5,941	48
Fla.	35,586	5,570	4,537	3,335	2,604	4,050	9,551	3,238	2,659	42
E.S.C.	**391,543**	**62,854**	**45,015**	**26,425**	**17,589**	**12,080**	**116,686**	**55,489**	**55,276**	**129**
Ky.	125,069	23,174	19,113	10,821	5,487	2,252	31,971	15,761	16,460	30
Tenn.	121,406	20,036	13,298	6,832	4,113	2,098	39,711	18,133	17,145	40
Ala.	72,491	9,581	6,669	4,973	4,677	3,739	23,274	9,560	9,987	31
Miss.	72,577	10,063	5,935	3,799	3,312	3,991	21,730	12,035	11,684	28
W.S.C.	**399,289**	**72,249**	**53,915**	**41,332**	**31,820**	**26,901**	**100,417**	**38,574**	**33,896**	**185**
Ark.	60,433	9,541	6,646	5,308	5,692	6,482	14,725	5,946	6,062	31
La.	42,269	5,991	4,170	3,447	3,312	3,155	12,025	4,226	5,909	34
Okla.	83,037	16,173	14,252	10,771	6,753	3,726	19,045	6,575	5,702	40
Tex.	213,550	40,544	28,847	21,806	16,063	13,538	54,622	21,827	16,223	80
Mt.	**119,902**	**15,853**	**18,094**	**21,582**	**18,854**	**16,206**	**18,898**	**4,951**	**4,790**	**674**
Mont.	24,951	2,645	3,800	5,762	5,302	3,094	2,662	742	851	93
Idaho	25,475	3,210	4,022	4,870	4,251	3,152	4,085	970	786	129
Wyo.	8,838	1,084	1,327	1,722	1,553	1,493	983	259	364	53
Colo.	27,950	3,916	4,354	4,852	4,259	3,961	4,187	1,156	1,206	59
N. Mex.	11,641	1,788	1,661	1,602	1,274	1,385	2,381	689	800	61
Ariz.	5,890	813	649	582	615	1,593	1,105	208	243	82
Utah	13,045	2,090	1,981	1,867	1,343	1,132	3,151	876	440	165
Nev.	2,112	307	300	325	257	396	344	51	100	32
Pac.	**145,199**	**20,925**	**17,622**	**17,430**	**16,636**	**22,650**	**33,549**	**9,038**	**7,151**	**198**
Wash.	34,033	4,246	3,884	4,474	4,835	4,349	8,839	1,851	1,527	28
Oreg.	29,063	4,075	3,520	3,254	3,096	3,058	8,109	2,370	1,526	55
Calif.	77,875	11,791	9,700	9,250	8,393	14,906	15,549	4,482	3,706	98
Alaska	332	55	25	14	23	31	134	8	36	6
Hawaii	3,896	758	493	438	289	306	918	327	356	11

[1] Value of farm products sold, $50–$2,499, and a farm operator under 65 years of age who did not work off the farm 100 days or more during the census year.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969*, preliminary, AC 69–P1.

No. 976. Farms, Number, by Type, 1959 and 1969, and by States, 1969

[1969 preliminary. Based on reports for a sample of farms. In general, a farm was classified as a particular type if its sales of a particular product or group of products amounted to 50 percent or more of total value of farm products sold. For composition of regions, see fig. I, p. xii]

State	All farms	With sales of $25,000 or more										With sales less than $2,500 [3]
		Total [1]	Cash grain	Cotton	Other field crops	Vegetable	Fruit and nut	Dairy	Poultry	Livestock [2]	General	
1959	3,707,973	2,416,017	398,047	241,849	38,332	21,912	61,419	428,293	103,279	684,061	211,613	1,291,956
1969, U.S.	**2,730,250**	**1,733,683**	**369,312**	**40,534**	**31,190**	**19,660**	**53,754**	**260,956**	**57,545**	**647,884**	**126,527**	**996,567**
Percent	100.0	63.5	13.5	1.5	1.1	0.7	2.0	9.6	2.1	23.7	4.6	36.5
North	1,303,750	964,652	276,137	1,014	7,112	8,850	9,901	203,511	16,005	371,443	53,960	339,098
South	1,161,399	583,179	68,190	36,819	16,778	5,642	11,574	42,456	37,887	209,746	53,491	578,220
West	265,101	185,852	24,985	2,701	7,300	5,168	32,279	14,989	3,653	66,695	19,076	79,249
N.E.	**28,640**	**18,607**	**31**	(x)	**1,876**	**791**	**1,079**	**8,745**	**2,292**	**1,184**	**895**	**10,033**
Maine	7,971	5,103	23	(x)	1,714	94	270	1,376	999	227	188	2,868
N.H.	2,902	1,624	–	(x)	10	62	83	849	208	140	111	1,278
Vt.	*6,874*	*4,850*	*3*	(x)	*14*	*29*	*55*	*4,017*	*55*	*300*	*238*	*2,024*
Mass.	5,703	3,665	3	(x)	56	363	518	1,251	399	259	180	2,038
R.I.	700	462	–	(x)	42	55	24	147	66	37	16	238
Conn.	4,490	2,903	2	(x)	40	188	129	1,105	565	221	162	1,587
M.A.	**123,226**	**78,116**	**3,663**	(x)	**1,066**	**3,050**	**3,651**	**42,053**	**4,104**	**11,113**	**5,138**	**45,110**
N.Y.	51,909	34,404	1,308	(x)	559	1,240	2,240	21,711	1,043	2,976	1,848	17,505
N.J.	8,493	5,641	439	(x)	139	1,259	465	1,180	597	418	316	2,852
Pa.	62,824	38,071	1,916	(x)	368	551	946	19,162	2,464	7,719	2,974	24,753
E.N.C.	**513,295**	**355,129**	**119,452**	(x)	**1,656**	**4,375**	**4,779**	**93,328**	**5,706**	**102,695**	**15,562**	**158,166**
Ohio	111,332	66,269	22,076	(x)	243	850	627	12,670	1,743	21,537	3,967	45,063
Ind.	101,479	67,264	28,672	(x)	138	443	235	5,974	1,686	25,798	3,081	34,215
Ill.	123,565	100,486	55,157	(x)	58	432	235	6,599	660	33,622	2,806	23,079
Mich.	77,946	44,175	10,843	(x)	895	1,326	3,308	12,586	929	9,922	2,908	33,771
Wis.	98,973	76,935	2,704	(x)	322	1,324	374	55,499	688	11,816	2,800	22,038
W.N.C.	**638,589**	**512,800**	**152,991**	**1,014**	**2,514**	**634**	**392**	**59,385**	**3,903**	**256,451**	**32,365**	**125,789**
Minn.	110,747	89,025	22,847	(x)	1,165	308	78	30,744	1,220	24,919	6,886	21,722
Iowa	*140,354*	*123,495*	*32,575*	(x)	*58*	*87*	*49*	*9,274*	*831*	*74,873*	*5,337*	*16,859*
Mo.	137,067	86,503	16,271	1,014	82	148	192	8,230	1,104	54,810	3,685	50,564
N. Dak.	46,381	41,528	25,256	(x)	776	3	2	1,874	84	9,919	3,480	4,853
S. Dak.	45,726	40,470	7,156	(x)	17	13	1	3,311	200	25,924	3,687	5,256
Nebr.	72,257	63,385	21,329	(x)	316	32	7	2,459	166	34,743	4,067	8,872
Kans.	86,057	68,394	27,557	(x)	100	43	63	3,493	298	31,263	5,223	17,663
S.A.	**370,567**	**192,999**	**13,422**	**1,874**	**7,648**	**2,934**	**9,211**	**13,129**	**18,604**	**41,171**	**16,491**	**177,568**
Del.	3,710	2,815	1,023	(x)	40	78	11	260	1,102	157	87	895
Md.	17,181	11,590	2,063	(x)	28	279	102	2,698	1,647	1,720	628	5,591
Va.	64,572	31,091	1,852	4	1,753	266	470	3,658	1,282	10,388	2,298	33,481
W. Va.	23,142	6,664	88	(x)	71	20	173	1,190	517	3,771	480	16,478
N.C.	119,386	65,714	3,379	304	1,600	568	453	2,536	4,843	6,479	4,158	53,672
S.C.	39,559	17,413	2,358	701	82	298	330	689	749	3,090	1,772	22,146
Ga.	67,431	37,616	1,876	837	3,415	276	487	1,551	7,508	10,586	6,098	29,815
Fla.	35,586	20,096	783	28	659	1,149	7,185	547	956	4,980	970	15,490
E.S.C.	**391,543**	**163,963**	**12,344**	**10,561**	**2,754**	**991**	**498**	**19,045**	**9,468**	**60,802**	**18,608**	**227,580**
Ky.	125,069	60,847	3,144	1	124	91	81	8,080	398	20,188	7,364	64,222
Tenn.	121,406	46,377	3,680	2,055	183	331	114	6,806	1,224	20,310	*5,817*	*75,029*
Ala.	72,491	29,639	2,096	2,947	2,260	426	221	1,348	5,671	10,803	2,853	42,852
Miss.	72,577	27,100	3,424	5,558	187	143	82	2,811	2,175	9,501	2,574	45,477
W.S.C.	**399,289**	**226,217**	**42,424**	**24,384**	**6,376**	**1,717**	**1,865**	**10,282**	**9,815**	**107,773**	**18,392**	**173,072**
Ark.	60,433	33,669	9,690	4,362	52	261	279	1,872	5,699	9,249	1,775	26,764
La.	42,269	20,075	5,477	2,925	2,120	239	183	1,840	644	4,935	1,204	22,194
Okla.	83,037	51,675	10,011	1,082	1,380	110	125	2,444	536	30,594	4,930	31,362
Tex.	213,550	120,798	17,246	16,015	2,824	1,107	1,278	4,126	2,936	62,995	10,483	92,752
Mt.	**119,902**	**90,589**	**16,072**	**1,251**	**4,413**	**785**	**1,424**	**6,957**	**677**	**46,066**	**10,717**	**29,313**
Mont.	24,951	20,603	6,815	(x)	519	7	36	429	68	11,382	1,097	4,348
Idaho	25,475	19,505	3,236	(x)	2,420	130	204	3,288	97	6,763	2,983	5,970
Wyo.	8,838	7,179	514	(x)	300	2	(x)	248	15	5,400	599	1,659
Colo.	27,950	21,342	4,156	(x)	714	250	336	1,023	121	11,127	2,988	6,608
N. Mex.	11,641	7,710	605	592	170	126	104	179	39	4,601	1,145	3,931
Ariz.	5,890	4,252	231	649	41	136	503	177	64	1,718	506	1,638
Utah	13,045	8,413	486	(x)	245	122	240	1,517	270	4,104	1,017	4,632
Nev.	*2,112*	*1,585*	*29*	*10*	*4*	*12*	*1*	*96*	*3*	*971*	*382*	*527*
Pac.	**145,199**	**95,263**	**8,913**	**1,450**	**2,887**	**4,383**	**30,855**	**8,032**	**2,976**	**20,504**	**8,359**	**49,936**
Wash.	34,033	21,788	4,553	(x)	903	967	4,266	2,545	447	4,986	2,086	12,245
Oreg.	29,063	17,003	1,678	(x)	645	756	2,466	1,542	390	5,929	2,359	12,060
Calif.	77,875	54,040	2,679	1,450	704	2,262	23,713	3,872	2,048	9,288	3,878	23,835
Alaska	332	148	3	(x)	17	6	(x)	33	6	33	24	184
Hawaii	3,896	2,284	–	(x)	618	392	410	40	85	268	12	1,612

– Represents zero. X Not applicable.

[1] Includes 227,212 tobacco farms for 1959 and 89,903 for 1969, and other miscellaneous commercial farms not shown separately. [2] Excludes dairy and poultry farms: includes ranches.

[3] Includes farms with a value of farm products sold of $50–$2,499, and a farm operator under 65 years of age who did not work off farm 100 days or more in the census year, part-time, part-retirement, and abnormal farms.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969*, United States Summary of County Reports.

No. 977. Value of all Farm Products Sold, by Type of Product, by States, 1969

[**In millions of dollars.** Farms with sales of $2,500 and over. For composition of regions, see fig. I. p. xii]

STATE	All farm products sold	Field crops [1]	Vegetables and melons	Fruits, nuts, and berries	Horticultural specialties [2]	Dairy products	Poultry and poultry products	Livestock and livestock products [3]
U.S.	**44,521**	**12,590**	**1,271**	**1,720**	**1,044**	**5,418**	**3,907**	**18,572**
North	22,523	6,239	299	275	459	3,552	1,106	10,593
South	12,783	4,162	332	437	307	1,116	2,266	4,162
West	9,215	2,188	640	1,008	278	750	534	3,817
N.E.	**670**	**103**	**16**	**36**	**55**	**247**	**171**	**43**
Maine	195	51	2	8	3	35	90	7
N.H.	47	1	1	4	3	21	12	4
Vt.	134	4	(Z)	2	2	109	3	13
Mass.	135	15	7	18	20	39	24	10
R.I.	15	2	1	(Z)	4	4	3	1
Conn.	144	29	3	4	22	39	38	8
M.A.	**2,086**	**189**	**115**	**118**	**157**	**957**	**252**	**298**
N.Y.	960	80	52	60	47	530	90	101
N.J.	210	18	47	25	32	42	29	16
Pa.	916	91	16	33	78	385	133	181
E.N.C.	**7,366**	**2,437**	**143**	**110**	**192**	**1,458**	**355**	**2,670**
Ohio	1,196	355	32	13	68	216	90	423
Ind.	1,360	532	17	6	24	106	111	564
Ill.	2,585	1,242	23	8	40	134	51	1,086
Mich.	796	184	39	70	41	219	48	196
Wis.	1,428	124	33	14	18	783	55	402
W.N.C.	**12,402**	**3,510**	**26**	**11**	**56**	**890**	**328**	**7,582**
Minn.	1,722	515	17	2	13	370	116	689
Iowa	3,634	861	2	1	15	184	75	2,496
Mo.	1,407	360	4	6	17	116	72	832
N. Dak.	742	476	(Z)	(Z)	1	36	6	223
S. Dak.	950	208	(Z)	(Z)	2	57	21	663
Nebr.	2,152	529	(Z)	(Z)	3	53	19	1,547
Kans.	1,796	561	1	2	6	74	20	1,132
S.A.	**4,704**	**1,432**	**248**	**401**	**198**	**489**	**1,128**	**808**
Del.	128	25	7	1	3	7	79	5
Md.	333	69	12	5	13	82	111	42
Va.	535	161	11	21	19	94	72	157
W. Va.	91	7	(Z)	8	4	20	18	34
N.C.	1,144	601	14	10	24	79	278	138
S.C.	343	167	11	14	10	31	60	50
Ga.	1,012	268	9	24	31	68	396	216
Fla.	1,117	134	184	318	94	109	113	165
E.S.C.	**2,527**	**872**	**19**	**9**	**63**	**299**	**501**	**764**
Ky.	699	287	2	2	10	98	17	283
Tenn.	547	167	7	2	17	97	54	204
Ala.	635	134	7	4	24	47	267	152
Miss.	646	284	3	2	12	57	163	126
W.S.C.	**5,552**	**1,858**	**65**	**27**	**46**	**327**	**637**	**2,591**
Ark.	945	435	5	5	6	34	356	104
La.	475	279	3	3	7	63	45	76
Okla.	933	249	3	3	8	59	28	584
Tex.	3,197	896	55	17	24	172	209	1,826
Mt.	**3,773**	**909**	**101**	**48**	**33**	**198**	**72**	**2,412**
Mont.	569	186	(Z)	(Z)	3	13	5	362
Idaho	641	274	8	8	4	53	6	289
Wyo.	246	37	(Z)	(Z)	(Z)	5	1	202
Colo.	1,092	178	12	5	20	41	19	816
N. Mex.	348	59	8	7	1	17	7	249
Ariz.	594	137	68	26	3	28	10	323
Utah	205	28	3	3	2	34	24	111
Nev.	79	11	1	(Z)	1	6	(Z)	60
Pac.	**5,442**	**1,279**	**539**	**960**	**245**	**552**	**463**	**1,404**
Wash.	758	251	36	111	24	93	46	198
Oreg.	519	138	39	57	30	44	31	180
Calif.	3,875	673	458	786	186	401	376	996
Alaska	3	1	(Z)	(Z)	(Z)	2	(Z)	(Z)
Hawaii	286	217	7	6	5	12	9	30

Z Less than $500,000.
[1] Other than vegetables and fruits and nuts. [2] Includes forest products.
[3] Other than dairy and poultry.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969, U.S. Summary of County Reports.*

No. 978. Land Utilization, Farm and Nonfarm: 1940 to 1969

[**In millions of acres, except percent.** Prior to 1950, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series J 49–64]

Major use	1940		1950		1959		1964		1969 (prel.)	
	Land	Percent	Land	Percent	Land	Percent	Land	Percent	Land	Percent
Total land area	**1,905**	**100.0**	**2,273**	**100.0**	**2,271**	**100.0**	**2,266**	**100.0**	**2,264**	**100.0**
In farms	**1,061**	**55.7**	**1,162**	**51.1**	**1,124**	**49.5**	**1,110**	**49.0**	**1,064**	**47.0**
Cropland [1]	399	20.9	409	18.0	392	17.3	387	17.1	387	17.1
Grassland pasture [2]	461	24.2	486	21.4	532	23.4	547	24.1	540	23.8
Woodland pasture	100	5.2	135	5.9	93	4.1	82	3.6	62	2.7
Woodland not pastured	57	3.0	86	3.8	70	3.1	64	2.8	50	2.2
Farmsteads, roads, and other land	44	2.3	46	2.0	37	1.6	30	1.3	25	1.1
Not in farms	**844**	**44.3**	**1,111**	**48.9**	**1,147**	**50.5**	**1,156**	**51.0**	**1,200**	**53.0**
Grazing land [3]	504	26.4	402	17.7	319	14.0	293	12.9	287	12.6
Forest land not grazed [4]	*203*	*10.7*	*368*	*16.2*	*438*	*19.3*	*443*	*19.5*	*476*	*21.1*
Other land [5]	137	7.2	341	15.0	390	17.2	420	18.5	437	19.3

[1] Comprises cropland used for crops, soil improvement crops, and idle cropland.
[2] Includes cropland used only for pasture.
[3] Includes grassland, arid woodland, and shrub and other forested land grazed.
[4] Excludes forest areas in parks and most other special uses.
[5] Comprises urban, industrial, and residential areas; rural parks; wildlife refuges; highway, road, and railroad rights-of-way; ungrazed desert; rocky, barren, swamp, tundra, and other land not otherwise counted.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 979. Drainage Enterprises, by Size Groups: 1930 to 1960

[**Acres in thousands.** Excludes Alaska and Hawaii]

Size group	Number of enterprises, 1960	Area of enterprises, all drainage states [1]			Areas of enterprises, 30 states [1 2]			
		1930	1940	1960	1930	1940	1950	1960
Total	**8,461**	**128,495**	**132,828**	**99,098**	**41,644**	**45,207**	**54,618**	**47,189**
Under 1,000 acres	2,847	18,479	20,300	1,951	1,073	1,198	1,702	1,622
1,000 to 1,999 acres	2,081	34,074	14,558	2,881	4,999	1,726	1,962	2,459
2,000 to 4,999 acres	1,588		20,511	4,883		3,961	4,102	4,401
5,000 to 9,999 acres	728	15,865	16,388	5,082	4,485	4,543	4,528	4,631
10,000 to 19,999 acres	499	35,076	16,964	6,963	14,769	6,042	6,004	5,974
20,000 to 49,999 acres	320		20,142	9,795		10,048	7,921	7,617
50,000 to 99,999 acres	152	11,404	10,760	10,631	6,304	6,816	6,085	6,091
100,000 acres and over	246	13,597	13,204	56,912	10,014	10,873	22,314	14,394

[1] Includes some duplication for some areas in more than 1 enterprise (overlapped).
[2] For 1960, 29 States; largely States with organized drainage districts and other corporate and private enterprises. See text, p. 582.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969*, vol. IV.

No. 980. Irrigation of Agricultural Land—Summary: 1920 to 1969

[Data are for 17 Western States (Alaska and Hawaii excluded) and Louisiana]

Item	1920	1930	1940	1950	1959	1969
Approximate land area ... mil. acres	1,190	1,190	1,191	1,191	1,189	1,187
Farms, total ... 1,000	*1,684*	*1,820*	*1,681*	*1,430*	1,044	854
Irrigated ... 1,000	222	264	290	289	267	210
Land in farms, total ... mil. acres	488	553	611	699	715	733
In irrigated farms ... mil. acres	(1)	78	112	168	213	218
Land irrigated, total ... mil. acres	(1)	14	18	25	31	35
Irrigation organizations:						
Number	(1)	4	6	10	9	8
Area irrigated ... mil. acres	12	13	14	15	18	21
Investment from prior census year ... mil. dol	(1)	162	160	520	1,040	1,591

[1] Comparable data not available.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1930, 1940, 1950, 1959*, and *1969 Irrigation of Agricultural Lands*.

No. 981. Federal Irrigation Projects: 1950 to 1970

[Acreage in thousands; value in millions of dollars]

Year	Entire area			Full irrigation service [1]			Supplemental and temporary irrigation service [2]		
	Irrigable acreage	Irrigated acreage	Gross crop value	Irrigable acreage	Irrigated acreage	Gross crop value	Irrigable acreage	Irrigated acreage	Gross crop value
1950	6,025	5,077	578	3,305	2,716	311	2,720	2,361	267
1955	7,368	6,262	828	3,826	3,163	429	3,542	3,099	399
1960	8,171	6,900	1,158	4,326	3,488	581	3,845	3,412	577
1965	9,612	8,012	1,557	4,540	3,731	675	5,072	4,281	882
1968	9,904	8,387	1,840	4,683	3,940	813	5,221	4,447	1,027
1969	10,140	8,576	1,885	4,839	4,070	867	5,301	4,506	1,018
1970	10,198	8,570	1,882	4,844	4,037	847	5,354	4,533	1,035

[1] Applies to irrigable land receiving its sole irrigation supply through Bureau of Reclamation-constructed facilities and to previously irrigated land in non-Federal projects where a substantial part of the facilities was constructed, rehabilitated, or replaced by the Bureau.

[2] Applies to irrigable land receiving irrigation water through Bureau projects in addition to supply from non-project sources and to land for which water is delivered under temporary arrangements.

Source: U.S. Bureau of Reclamation, *Federal Reclamation Projects, Water and Land Resource Accomplishments*, annual.

No. 982. Conservation Districts—Number and Area: 1950 to 1971

[For years ending June 30. Includes Puerto Rico and Virgin Islands]

Item	1950	1955	1960	1965	1968	1969	1970	1971
Number organized: Each year	121	56	6	18	2	5	9	1
Cumulative total	2,885	2,674	2,867	2,989	3,012	3,017	3,026	3,027
With supplemental memo.:[1] Each year	133	63	23	13	11	7	—1	2
Cumulative	2,207	2,644	2,837	2,921	2,964	2,971	2,970	2,972
Area in districts: New and additions mil. acres	75	43	10	14	16	8	5	13
Cumulative..mil. acres	1,253	1,485	1,672	1,753	1,798	1,806	1,811	1,824

[1] Signed for assistance from Soil Conservation Service.

Source: U.S. Dept. of Agriculture, Soil Conservation Service, *Report of Administrator of Soil Conservation Service*.

No. 983. Commercial Fertilizers Consumed: 1950 to 1970

[For years beginning July 1. Includes Puerto Rico. Includes fertilizers distributed by Government agencies. See *Historical Statistics, Colonial Times to 1957*, series K 160, for related but not comparable data]

Item	1950	1955	1960	1965	1968	1969	1970 [1]
All fertilizers [2] ..1,000 tons	20,345	21,404	24,374	33,071	37,614	38,294	39,775
Percent: Nitrogen	6.1	9.0	12.4	16.1	18.5	19.5	19.9
Phosphoric oxide	10.4	10.5	10.9	11.8	12.4	11.9	12.0
Potash	6.8	8.8	8.9	9.7	10.3	10.5	10.5
Mixed fertilizers ..1,000 tons	13,978	14,776	15,735	19,659	21,234	20,963	21,685
Percent: Nitrogen	4.2	5.4	6.8	8.1	9.0	9.3	9.5
Phosphoric oxide	11.0	12.1	13.2	15.8	17.5	17.7	18.1
Potash	9.0	11.2	12.0	12.6	12.5	12.7	12.8
Other fertilizers ..1,000 tons	646	790	1,194	1,461	1,334	1,296	1,213

[1] Preliminary. [2] Products containing primary nutrients.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service. In *Agricultural Statistics*, annual.

No. 984. Agricultural Chemicals Used on Farms: 1969

[**Farms and acres in thousands; cost in millions of dollars.** Covers farms with sales of $2,500 or more]

Type of chemical	Farms reporting	Acres treated	Cost of chemicals	Type of chemical	Farms reporting	Acres treated	Cost of chemicals
Total	[1] 1,467	(X)	2,988	Sprays, dusts, etc. for—			
Commercial fertilizer	1,269	156,475	2,107	Insects on hay crops	50	2,180	9
Lime	262	10,099	93	Insects on other crops	403	39,882	297
Chemicals for—				Nematodes in crops	34	1,267	17
Defoliation or growth control of crops	69	5,781	23	Crop diseases	46	4,088	55
Insect control in livestock and poultry	352	(X)	26	Weeds or grass in crops	645	84,914	346
				Weeds or brush in pasture	78	4,967	10

X Not applicable. [1] If more than 1 subentry was applicable the farm was tabulated in each.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969, United States Summary of County Reports*.

No. 985. Balance Sheet of the Farming Sector: 1950 to 1972

[In billions of dollars. As of January 1. Excludes Alaska and Hawaii]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971	1972 (prel.)
Assets	**132.5**	**165.1**	**203.1**	**238.5**	**283.6**	**299.1**	**309.6**	**318.9**	**335.2**
Physical assets:									
Real estate	75.3	98.2	130.2	160.9	193.1	202.6	208.2	214.0	223.0
Non-real-estate:									
Livestock [1]	12.9	11.2	15.2	14.5	18.8	20.2	23.5	23.7	27.5
Machinery and motor vehicles	12.2	18.6	22.2	25.5	31.4	33.8	34.1	36.6	38.4
Crops stored on and off farms [2]	7.6	9.6	7.7	9.2	9.6	10.6	10.9	10.7	11.0
Household furnishings and equipment	8.6	10.0	9.6	8.6	9.0	9.6	9.6	9.7	10.0
Financial assets:									
Deposits and currency	9.1	9.4	9.2	9.6	10.9	11.5	11.9	12.4	13.2
United States savings bonds	4.7	5.0	4.7	4.2	3.8	3.7	3.7	3.7	3.7
Investments in cooperatives	2.1	3.1	4.3	6.0	7.0	7.3	7.7	8.1	8.4
Claims	**132.5**	**165.1**	**203.1**	**238.5**	**283.6**	**298.5**	**309.6**	**318.9**	**335.2**
Liabilities	12.4	17.6	24.8	37.5	50.4	54.6	58.1	61.2	65.5
Real estate debt	5.6	8.2	12.1	18.9	25.5	27.1	28.4	29.6	30.7
Non-real-estate debt to—									
Commodity Credit Corporation [3]	1.7	2.2	1.2	1.5	1.4	2.7	2.7	1.9	2.1
Other reporting institutions [4]	2.8	4.0	6.7	10.0	13.7	14.5	15.8	17.4	19.2
Nonreporting creditors [5]	2.3	3.2	4.8	7.1	9.8	10.3	11.2	12.3	13.5
Proprietors' equities	120.1	147.5	178.3	201.0	233.2	243.9	251.5	257.7	269.7

[1] Beginning 1965, excludes horses and mules. [2] Includes all crops held on farms and crops held off farms by farmers as security for CCC loans. The latter totaled $881 million on Jan. 1, 1972.
[3] Nonrecourse CCC loans secured by crops owned by farmers are included as assets in this balance sheet.
[4] Loans of all operating banks, production credit associations, and Farmers Home Administration, and discounts of Federal intermediate credit banks for agricultural credit corporations and livestock loan companies.
[5] Loans and credits extended by dealers, merchants, finance companies, individuals, and others. Estimates based on fragmentary data.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Balance Sheet of the Farming Sector*, annual.

No. 986. Farm Real Estate—Indexes of Average Value of Land and Buildings Per Acre, by States: 1950 to 1972

[1967=100. As of March 1]

STATE	1950	1960	1965	1968	1969	1970 [1]	1971 [1]	1972 [1]
U.S. [2]	43	73	87	107	113	117	121	130
N.E.:								
Maine	50	70	91	109	117	123	133	148
N.H	49	70	88	109	119	127	135	150
Vt	48	65	87	109	120	133	141	157
Mass	49	72	88	106	114	125	132	142
R.I	44	68	86	108	117	125	132	146
Conn	46	72	86	109	116	125	135	146
M.A.:								
N.Y	52	74	90	107	116	125	135	148
N.J	38	71	89	110	121	136	145	163
Pa	39	69	88	107	118	134	144	157
E.N.C.:								
Ohio	40	71	87	106	110	116	121	128
Ind	38	68	80	106	106	104	108	129
Ill	42	71	83	105	109	108	107	112
Mich	42	72	86	107	115	119	124	137
Wis	54	78	86	106	116	126	138	149
W.N.C.:								
Minn	47	78	89	107	115	121	123	129
Iowa	49	74	80	106	111	115	116	124
Mo	38	62	82	108	118	123	129	142
N. Dak	41	71	87	107	116	118	121	125
S. Dak	46	71	86	116	106	108	111	115
Nebr	59	91	86	108	112	115	117	127
Kans	47	70	87	108	111	109	105	108
S.A.:								
Del	32	59	84	106	111	120	134	137
Md	29	54	84	107	116	129	140	145
S.A.—Con.								
Va	39	68	85	105	109	120	131	143
W. Va	51	77	94	108	117	123	128	142
N.C	40	66	89	107	115	113	122	132
S.C	38	64	87	109	123	123	135	153
Ga	27	55	81	109	127	140	155	173
Fla	28	74	100	105	109	121	128	136
E.S.C.:								
Ky	41	61	90	106	109	115	121	134
Tenn	43	65	87	107	116	122	129	144
Ala	33	57	84	106	116	123	137	146
Miss	31	56	81	111	122	130	138	146
W.S.C.:								
Ark	30	49	86	109	120	128	129	144
La	28	53	79	107	113	121	129	144
Okla	38	62	87	110	114	122	127	137
Tex	55	96	92	107	113	119	123	136
Mt.:								
Mont	35	65	88	106	110	114	116	124
Idaho	47	77	90	106	108	113	118	124
Wyo	43	63	90	105	110	116	120	131
Colo	49	68	90	104	107	109	113	122
N. Mex	46	68	97	102	103	106	109	116
Ariz	42	75	91	102	102	101	99	105
Utah	50	75	92	102	104	108	112	118
Nev	44	77	91	102	104	107	111	118
Pac.:								
Wash	48	85	88	108	115	119	118	124
Oreg	48	77	89	104	111	117	120	126
Calif	34	66	94	105	109	109	108	115

[1] Includes improvements. [2] Excludes Alaska and Hawaii.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Real Estate Market Developments*.

No. 987. Gross Farm Product—Summary: 1950 to 1970

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. For definition of national income and current and constant dollars, see text, pp. 309 and 310]

ITEM	1950	1955	1960	1965	1968	1969	1970
CURRENT DOLLARS							
Total value of farm output	32.8	33.1	37.6	43.5	47.7	51.8	53.1
Cash receipts from farm marketings and CCC loans	28.5	29.2	34.1	39.4	44.1	48.1	49.2
Farm products consumed directly in farm households	2.1	1.7	1.2	.8	.7	.7	.8
Change in farm inventories	.8	.5	.2	1.0	.1	.1	.3
Gross rental value of farm homes	1.5	1.7	2.0	2.3	2.6	2.8	2.9
Less: Value of intermediate products consumed	12.7	14.2	17.0	19.6	22.0	23.6	24.6
Plus: Other items	—.1	—.1	—.1	—.2	—.2	—.2	—.3
Equals: Gross farm product	20.0	18.8	20.5	23.7	25.1	28.0	28.2
Less: Capital consumption allowances	2.5	3.5	4.0	4.7	5.8	6.2	6.5
Indirect business taxes	.8	1.0	1.2	1.6	2.0	2.2	2.5
Plus: Government payments to farm landlords	.2	.2	.6	2.2	3.1	3.4	3.3
Equals: National income originating in farming	16.9	14.5	15.9	19.6	20.4	22.9	22.5
CONSTANT (1958) DOLLARS							
Total value of farm output	32.5	35.7	39.2	43.3	45.1	46.4	46.4
Cash receipts from farm marketings and CCC loans	27.9	31.6	35.8	39.7	42.5	43.9	43.8
Farm products consumed directly in farm households	2.3	1.8	1.3	.8	.6	.6	.6
Change in farm inventories	.8	.4	.2	.9	.1	.1	.3
Gross rental value of farm homes	1.6	1.8	1.9	1.9	1.8	1.8	1.7
Less: Value of intermediate products consumed	13.0	14.6	17.2	19.4	21.1	22.0	22.3
Plus: Other items	—.1	—.1	—.1	—.2	—.2	—.2	—.2
Equals: Gross farm product	19.4	20.9	21.9	23.7	23.8	24.2	23.9

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1965*, and *Survey of Current Business*, July 1972.

No. 988. Farm Income and Expenses: 1950 to 1971

[In millions of dollars, except as indicated. Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 81, K 122–128, and K 159]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971 (prel.)
Income from farming, realized gross	32,271	33,138	38,088	44,926	50,897	55,484	56,580	58,625
Cash receipts from marketings	28,461	29,490	34,154	39,350	44,117	48,117	49,231	51,933
Crops	12,356	13,523	15,208	17,392	18,620	19,527	19,636	21,875
Livestock and livestock products	16,105	15,967	18,946	21,958	25,497	28,590	29,595	29,758
Government payments	283	229	702	2,463	3,462	3,794	3,717	3,200
Value of home consumption	2,063	1,678	1,250	813	732	749	774	767
Rental value of dwellings	1,464	1,741	1,981	2,300	2,586	2,824	2,858	3,025
Total expenses of agricultural production	19,410	21,889	26,352	30,933	36,209	38,686	40,867	42,900
Operating expense (excl. hired labor)	11,518	12,974	16,045	18,754	21,654	23,137	24,503	25,902
Feed purchased	3,283	3,880	4,923	5,749	5,894	6,477	7,068	7,575
Livestock purchased	2,004	1,539	2,502	2,913	3,676	4,201	4,291	4,498
Seed purchased [1]	518	566	510	637	672	703	736	851
Fertilizer and lime	975	1,185	1,315	1,754	2,130	2,023	2,097	2,249
Repairs and operations of capital items [2]	2,975	3,600	3,966	4,073	4,831	4,970	5,124	5,400
Miscellaneous [3]	1,763	2,204	2,829	3,628	4,451	4,763	5,187	5,329
Depreciation [4]	2,665	3,700	4,244	4,982	6,209	6,676	6,918	7,161
Taxes on farm property	919	1,141	1,502	1,943	2,515	2,761	2,994	3,133
Interest on farm mortgage debt	264	402	628	1,077	1,477	1,599	1,717	1,849
Wages paid hired farm labor	2,811	2,615	2,923	2,849	3,047	3,196	3,394	3,455
Net rent to nonfarm landlords	1,233	1,057	1,010	1,328	1,307	1,317	1,341	1,400
Realized net income of farm operators from farming	12,861	11,249	11,736	13,993	14,688	16,798	15,713	15,725
Adjustment for inventory changes	+812	+215	+343	+994	+137	+93	+226	+600
Total net income of farm operators from farming	13,673	11,464	12,079	14,987	14,825	16,891	15,939	16,325
Average income per farm ..... dollars	2,421	2,463	3,049	4,487	4,854	5,685	5,451	5,676
Personal income from all sources	20,366	17,579	18,679	23,591	25,088	27,740	27,506	27,958
Nonfarm sources	6,263	6,197	7,153	10,045	11,881	12,831	13,308	13,500

[1] Includes bulbs, plants, and trees. [2] Includes expenditures for repairs and maintenance of farm buildings; petroleum fuel and oil; other motor-vehicle operation; and repairs on other machinery. [3] Includes interest on non-real-estate debt, pesticides, ginning, electricity and telephones (business share), livestock marketing charges (excluding feed and transportation), containers, irrigation, grazing, milk hauling, binding materials, tolls for sirup, horses and mules, harness and saddlery, blacksmithing and hardware, veterinary services and medicines, net insurance premiums (crop, fire, wind, and hail), and miscellaneous supplies. [4] Includes other consumption of farm capital.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Farm Income Situation*, July issues.

No. 989. Commodity Credit Corporation—Summary: 1955 to 1971

[**Money figures in millions of dollars.** As of June 30 or for years ending June 30. The Commodity Credit Corporation (CCC) is a wholly government owned corporation established by Congress in 1933. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities]

ITEM	1955	1960	1965	1966	1967	1968	1969	1970	1971
Loans made, value	2,377	1,507	2,144	1,971	1,411	2,052	2,964	2,388	1,778
Loans outstanding, total value [1]	2,137	1,347	2,534	2,231	1,536	2,345	3,493	2,952	1,989
Wheat	32	163	136	111	96	298	583	576	246
Sorghum grain	1	14	36	39	30	57	82	52	13
Corn	470	646	616	451	296	606	656	632	436
Cotton	1,129	9	775	731	153	61	324	170	31
Cost of acquisitions [1 2]	2,985	4,020	2,005	1,540	1,351	599	939	1,518	1,129
Wheat	1,075	371	169	55	24	9	96	217	211
Sorghum grain	160	96	77	91	7	1	4	23	15
Corn	586	361	140	191	111	3	179	49	20
Cotton	271	2,507	952	767	742	132	7	304	128
Commodities owned, value [1 2]	4,572	6,021	3,892	3,113	1,858	913	1,244	1,858	1,206
Wheat	2,297	2,452	1,297	680	195	149	225	405	488
Sorghum grain	133	646	648	467	207	204	206	173	79
Corn	934	1,700	595	344	168	162	306	293	103
Cotton	266	880	1,123	1,497	1,051	101	27	225	48
Commodities owned, quantity:									
Wheat ... mil. bu.	976	1,195	646	340	124	102	163	301	370
Sorghum grain ... mil. bu.	92	570	564	420	194	192	193	163	78
Corn ... mil. bu.	581	1,158	483	280	141	136	270	263	92
Cotton ... 1,000 bales	1,662	5,061	6,739	9,412	6,838	659	121	1,978	396
Cost of sales and donations [2]	1,869	3,261	2,487	2,342	2,621	1,565	610	906	1,776
Storage and handling expense [2]	235	476	311	235	151	75	88	145	134
Reseal loan storage expense [2]	20	53	82	68	44	50	123	144	110

[1] Includes amounts for commodities not shown separately.
[2] Price support commodities only. Data comparable for all years.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

No. 990. Farm Marketings, by Price Support Status: 1955 to 1971

[**In millions of dollars, except percent.** Prior to 1960, excludes Alaska and Hawaii. Farm marketings represent gross receipts from commercial market sales as well as net Commodity Credit Corporation loans]

CROPS	TOTAL MARKET SALES					PERCENT DISTRIBUTION				
	1955	1960	1965	1970	1971	1955	1960	1965	1970	1971
Total	29,490	34,154	39,350	49,231	51,633	100.0	100.0	100.0	100.0	100.0
Under price support	13,788	15,323	16,557	19,177	21,340	46.8	44.9	42.1	39.0	41.3
Mandatory support	12,461	13,776	14,263	15,959	17,544	42.3	40.3	36.3	32.4	34.0
Basic commodities	7,194	7,696	7,693	7,700	8,758	24.4	22.5	19.6	15.6	17.0
Cotton (lint)	2,324	2,116	2,065	1,047	1,237	7.9	6.2	5.2	2.1	2.4
Wheat	1,698	2,195	1,637	1,560	1,967	5.8	6.4	4.2	3.2	3.8
Corn	1,507	1,817	2,157	2,986	3,388	5.1	5.3	5.5	6.0	6.6
Tobacco	1,225	1,154	1,186	1,388	1,331	4.1	3.4	3.0	2.8	2.6
Rice	270	244	377	391	434	0.9	0.7	1.0	0.8	0.8
Peanuts	170	170	271	328	401	0.6	0.5	0.7	0.7	0.8
Nonbasic commodities [1]	5,267	6,080	6,570	8,259	8,786	17.9	17.8	16.7	16.8	17.0
Dairy products	4,217	4,753	5,037	6,523	6,785	14.3	13.9	12.8	13.3	13.1
Oats	246	199	194	198	204	0.8	0.6	0.5	0.4	0.4
Barley	238	247	305	262	321	0.8	0.7	0.8	0.5	0.6
Sorghum grain	211	372	496	631	704	0.7	1.1	1.3	1.3	1.4
Sugar beets	136	190	250	387	399	0.5	0.6	0.6	0.8	0.8
Others [2]	219	319	288	258	373	0.8	0.9	0.7	0.5	0.7
Nonmandatory support [3]	1,327	1,547	2,294	3,218	3,796	4.5	4.5	5.8	6.6	7.3
Soybeans	832	1,125	1,812	2,789	3,351	2.8	3.3	4.6	5.7	6.5
Cottonseed	244	225	265	220	223	0.8	0.7	0.7	0.5	0.4
Flaxseed	127	67	86	70	48	0.5	0.2	0.2	0.1	0.1
Dry beans	124	130	131	139	174	0.4	0.4	0.3	0.3	0.3
Not under price support	15,702	18,831	22,793	30,054	30,292	53.2	55.1	57.9	61.0	58.7

[1] Under legislation in effect in 1969. Prior to 1959, support was nonmandatory for oats, barley, sorghum grain, and rye. [2] Includes wool, mohair, honey, tung nuts, rye, and sugarcane.
[3] Marketing not estimated for naval stores and castor beans.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Farm Income Situation*.

No. 991. Farm Income—Cash Receipts From Farm Marketings: 1950 to 1971

[In millions of dollars, except percent. Prior to 1960, excludes Alaska and Hawaii. See headnote, table 990]

ITEM	TOTAL MARKET SALES							PERCENT DISTRIBUTION		
	1950	1960	1965	1968	1969	1970	1971 (prel.)	1960	1970	1971 (prel.)
Farm marketings	**28,461**	**34,154**	**39,350**	**44,117**	**48,117**	**49,231**	**51,633**	**100.0**	**100.0**	**100.0**
All crops	12,356	15,208	17,392	18,620	19,527	19,636	21,875	44.5	39.9	42.4
Cotton (lint and seed)	2,434	2,340	2,330	1,316	1,354	1,267	1,460	6.8	2.6	2.8
Tobacco	1,061	1,154	1,186	1,173	1,297	1,388	1,331	3.4	2.8	2.6
Food grains	1,941	2,460	2,041	2,105	2,250	1,982	2,438	7.2	4.0	4.7
Oilbearing crops	935	1,364	2,173	2,842	3,049	3,189	3,801	4.0	6.5	7.4
Feed crops	2,143	3,025	3,669	4,264	4,485	4,707	5,330	8.9	9.6	10.3
Vegetables [1]	1,436	1,941	2,580	2,850	2,809	2,826	2,982	5.7	5.8	5.8
Fruits and tree nuts [1]	1,188	1,514	1,667	2,071	2,197	2,088	2,318	4.4	4.2	4.5
Other [2]	1,218	1,410	1,746	1,999	2,086	2,189	2,215	4.1	4.4	4.3
All livestock and products	16,105	18,946	21,958	25,497	28,590	29,595	29,758	55.5	60.1	57.6
Hogs	3,214	2,873	3,693	3,819	4,740	4,510	4,131	8.4	9.1	8.0
Cattle and calves	5,680	7,398	8,942	11,241	12,566	13,662	14,315	21.7	27.8	27.7
Sheep and lambs	387	327	329	315	333	325	307	1.0	0.7	0.6
Wool	130	108	95	72	69	57	37	0.3	0.1	0.1
Dairy products	3,719	4,753	5,037	5,955	6,206	6,523	6,785	13.9	13.2	13.2
Eggs	1,579	1,738	1,788	1,921	2,261	2,169	1,825	5.1	4.4	3.5
Broilers and farm chickens	946	1,127	1,304	1,417	1,633	1,562	1,560	3.3	3.2	3.0
Turkeys and other poultry [3]	314	427	489	490	532	572	585	1.3	1.2	1.1
Other [4]	136	195	281	267	250	215	213	0.6	0.4	0.4

[1] Melons included with vegetables.
[2] Sugar crops, greenhouse and nursery products, forest products, legume and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber.
[3] Ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs.
[4] Horses and mules (1950), mohair, honey, beeswax, bees, goats, rabbits, and fur animals.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Farm Income Situation*, July issues.

No. 992. Farm Income and Production Expenses, by Value of Sales Classes: 1960 and 1970

VALUE OF SALES AND YEAR	REALIZED GROSS FARM INCOME		FARM PRODUCTION EXPENSES		REALIZED NET FARM INCOME		PER FARM AVERAGES (dollars)		
	Total (mil. dol.)	Percent of total	Total (mil. dol.)	Percent of total	Total (mil. dol.)	Percent of total	Realized gross	Production expenses	Farm operator realized net
1960, all farms	**38,088**	**100.0**	**26,352**	**100.0**	**11,736**	**100.0**	**9,614**	**6,652**	**2,962**
1970, all farms	**56,580**	**100.0**	**40,867**	**100.0**	**15,713**	**100.0**	**19,350**	**13,976**	**5,374**
Farms with sales of—									
Less than $2,500:									
1960	3,299	8.7	1,728	6.6	1,571	13.4	1,785	935	850
1970	2,543	4.5	1,289	3.2	1,254	8.0	2,148	1,089	1,059
$2,500–$4,999:									
1960	2,888	7.6	1,678	6.4	1,210	10.3	4,681	2,720	1,961
1970	1,352	2.4	819	2.0	533	3.4	5,199	3,150	2,049
$5,000–$9,999:									
1960	5,652	14.8	3,471	13.2	2,181	18.6	8,564	5,259	3,305
1970	3,450	6.1	2,158	5.3	1,292	8.2	9,324	5,832	3,492
$10,000–$19,999:									
1960	7,867	20.6	5,199	19.7	2,668	22.7	15,829	10,461	5,368
1970	8,952	15.8	5,767	14.1	3,185	20.3	17,450	11,242	6,208
$20,000–$39,999:									
1960	6,766	17.8	4,802	18.2	1,964	16.7	29,806	21,154	8,652
1970	12,004	21.2	8,278	20.2	3,726	23.7	32,096	22,134	9,962
$40,000 and over:									
1960	11,616	30.5	9,474	35.9	2,142	18.3	102,796	83,841	18,955
1970	28,279	50.0	22,556	55.2	5,723	36.4	126,812	101,148	25,664

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Farm Income Situation*, July issues.

No. 993. Farm Income—Cash Receipts, 1970 and 1971, and Principal Commodities in Order of Cash Receipts, 1971, by States

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery]

State	1970	1971 (prel.) Farm marketings: Total	Crops	Livestock and products	Government payments	Principal commodities in order of marketing receipts, 1971
U.S	49,231.2	51,632.8	21,875.1	29,757.7	3,200.1	Cattle, dairy prod., hogs, corn, soybeans.
N.E	828.2	815.3	269.2	546.0	4.5	
Maine	254.4	240.4	85.7	154.8	1.5	Potatoes, eggs, broilers, dairy prod.
N.H	54.4	54.5	12.8	41.7	.5	Dairy prod., eggs, cattle, greenhouse.
Vt	163.1	170.1	14.3	155.8	1.2	Dairy prod., cattle, eggs, forest prod.
Mass	168.6	165.8	80.9	84.9	.5	Dairy prod., greenhouse, eggs, cranberries.
R.I	20.9	20.0	10.2	9.8	.1	Dairy prod., greenhouse, potatoes, eggs.
Conn	166.8	164.4	65.3	99.1	.7	Dairy prod., eggs, greenhouse, tobacco.
M.A	2,407.1	2,429.6	745.6	1,684.0	44.0	
N.Y	1,117.3	1,118.6	306.7	811.9	19.1	Dairy prod., cattle, eggs, greenhouse.
N.J	249.8	238.9	149.8	89.0	3.4	Dairy prod., greenhouse, eggs, tomatoes.
Pa	1,040.1	1,072.2	289.1	783.1	21.5	Dairy prod., cattle, eggs, mushrooms.
E.N.C	8,081.2	8,464.4	3,741.0	4,723.4	387.9	
Ohio	1,323.5	1,416.3	662.2	754.1	74.6	Dairy prod., cattle, soybeans, corn.
Ind	1,552.6	1,624.9	805.8	819.2	87.2	Hogs, corn, soybeans, cattle.
Ill	2,699.6	2,832.2	1,585.8	1,246.4	130.6	Corn, soybeans, hogs, cattle.
Mich	895.4	925.7	442.6	483.2	55.8	Dairy prod., cattle, drybeans, corn.
Wis	1,610.1	1,665.2	244.6	1,420.6	39.7	Dairy prod., cattle, hogs, corn.
W.N.C	12,988.8	13,796.3	4,610.8	9,185.5	1,030.7	
Minn	2,015.8	2,142.8	754.3	1,388.6	117.7	Cattle, dairy prod., corn, hogs.
Iowa	3,929.7	4,037.0	1,183.9	2,853.1	173.7	Cattle, hogs, corn, soybeans.
Mo	1,560.2	1,684.3	588.4	1,095.9	124.8	Cattle, hogs, soybeans, dairy prod.
N. Dak	681.3	758.4	495.5	262.8	156.8	Wheat, cattle, barley, dairy prod.
S. Dak	1,011.9	1,055.2	226.8	828.4	79.3	Cattle, hogs, wheat, dairy prod.
Nebr	2,015.9	2,139.7	643.2	1,496.5	163.1	Cattle, corn, hogs, wheat.
Kans	1,773.9	1,978.9	718.7	1,260.2	215.3	Cattle, wheat, hogs, sorghum grain.
S.A	5,646.6	5,794.8	3,194.7	2,600.1	203.9	
Del	147.3	139.4	46.3	93.1	1.3	Broilers, corn, dairy prod., soybeans.
Md	393.6	388.0	124.4	263.6	6.6	Dairy prod., broilers, cattle, corn.
Va	596.5	587.7	257.1	330.6	17.1	Dairy prod., tobacco, cattle, broilers.
W. Va	111.1	105.3	25.6	79.7	3.1	Cattle, dairy prod., apples, eggs.
N.C	1,543.9	1,494.9	906.5	588.4	48.6	Tobacco, broilers, hogs, eggs.
S.C	442.0	466.0	294.4	171.6	46.6	Tobacco, soybeans, cattle, cotton lint.
Ga	1,144.6	1,210.3	540.4	669.9	69.7	Broilers, peanuts, eggs, cattle.
Fla	1,267.6	1,403.2	1,000.0	403.2	10.9	Oranges, cattle, dairy prod., grapefruit.
E.S.C	3,282.0	3,438.2	1,462.9	1,975.3	293.0	
Ky	921.8	918.4	403.3	515.1	35.8	Tobacco, cattle, dairy prod., hogs.
Tenn	706.8	749.9	315.6	434.3	59.4	Cattle, dairy prod., soybeans, tobacco.
Ala	741.6	803.0	279.4	523.6	67.5	Broilers, cattle, cottonlint, eggs.
Miss	911.8	967.0	464.6	502.4	130.3	Cattle, cotton lint, soybeans, broilers.
W.S.C	5,917.3	6,144.4	2,453.7	3,690.6	719.7	
Ark	1,073.4	1,182.6	608.2	574.3	78.2	Soybeans, broilers, cattle, cotton lint.
La	648.6	703.8	425.1	278.6	49.0	Cattle, soybeans, rice, dairy prod.
Okla	1,058.4	1,105.3	246.2	859.0	110.0	Cattle, wheat, dairy prod., peanuts.
Tex	3,136.9	3,152.8	1,174.1	1,978.7	482.5	Cattle, sorghum grain, cotton lint, dairy prod.
Mt	4,053.6	4,243.4	1,360.3	2,883.1	306.6	
Mont	559.0	568.6	203.8	364.9	83.6	Cattle, wheat, barley, dairy prod.
Idaho	664.0	690.1	372.6	317.4	47.4	Cattle, potatoes, dairy prod., wheat.
Wyo	235.1	239.3	41.4	197.9	16.1	Cattle, sheep, sugar beets, dairy prod.
Colo	1,181.5	1,259.0	282.0	977.0	61.5	Cattle, wheat, dairy prod., corn.
N. Mex	460.6	476.3	96.6	379.6	38.0	Cattle, dairy prod., hay, cotton lint.
Ariz	647.3	699.5	304.3	395.2	46.4	Cattle, cotton lint, lettuce, dairy prod.
Utah	225.4	231.1	44.5	186.6	11.6	Cattle, dairy prod., turkeys, sheep.
Nev	80.5	79.5	15.1	64.4	2.2	Cattle, dairy prod., hay, sheep.
Pac	6,026.3	6,506.4	4,036.8	2,469.6	209.8	
Wash	792.6	857.1	561.7	295.5	57.0	Wheat, dairy prod., cattle, apples.
Oreg	561.9	582.9	315.3	267.6	22.9	Cattle, dairy prod., wheat, greenhouse.
Calif	4,456.1	4,852.8	2,991.7	1,861.0	119.8	Cattle, dairy prod., grapes, hay.
Alaska	4.3	4.1	1.1	3.1	.1	Dairy prod., eggs, potatoes, cattle.
Hawaii	211.5	209.5	167.1	42.4	10.0	Sugarcane, pineapples, cattle, dairy prod.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Farm Income Situation*, July issues.

No. 994. Specified Farm Expenditures: 1949 to 1969

[Prior to 1959, excludes Alaska and Hawaii. Based on reports for a sample of farms]

ITEM		FARMS REPORTING		AMOUNT EXPENDED		
		Number (1,000)	Percent of all farms	Total (mil. dol.)	Acreage per farm based on all farms	Average per farm reporting
Farm production expenses, total	1969	2,730	100.0	37,582	13,765	13,765
Specified farm expenditures	**1969**	**2,730**	**100.0**	**16,868**	**6,178**	**6,178**
Feed for livestock and poultry	1949	3,876	72.0	3,024	562	780
	1954	3,653	76.4	3,906	81.7	1,069
	1959	2,843	76.6	4,755	1,281	1,672
	1964	2,268	71.9	5,512	1,747	2,431
	1969	1,804	66.0	7,100	2,601	3,935
Seeds, bulbs, plants, and trees	1959	1,933	52.1	492	133	254
	1964	2,324	73.6	661	209	284
	1969	1,680	61.5	871	319	519
Fertilizer and fertilizer materials	1964	2,244	70.4	1,772	562	797
	1969	1,954	71.5	2,209	809	1,131
Gasoline and other petroleum fuel and oil for farm business	1949	2,983	55.5	1,134	211	380
	1954	3,268	68.3	1,366	286	418
	1959	3,464	93.3	1,554	419	449
	1964	2,755	87.2	1,787	566	649
	1969	2,640	96.7	1,907	683	722
Hired farm labor	1949	2,670	49.6	2,418	450	906
	1954	2,221	46.4	2,279	477	1,026
	1959	1,785	48.1	2,622	706	1,468
	1964	1,585	50.2	2,799	886	1,764
	1969	1,393	51.0	3,375	1,236	2,424
Machine hire and contract work	1949	2,758	51.3	612	114	222
	1954	2,545	53.2	638	133	251
	1959	1,991	53.6	805	217	405
	1964	1,643	52.1	870	275	529
	1969	1,465	53.6	1,405	515	959

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1959*, vol. II and *1969, United States Summary of County Reports*.

No. 995. Farm Machinery and Equipment: 1950 to 1971

[Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 150–158]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971 (prel.)
Value of farm implements and machinery [1] mil. dol.	12,166	18,595	22,709	24,698	29,484	30,938	31,829	33,859
Number on farms, Jan. 1:								
Tractors [2] 1,000	3,394	4,345	4,688	4,787	4,766	4,712	4,619	4,562
Horsepower mil.	93	126	153	176	195	199	208	206
Motortrucks 1,000	2,207	2,675	2,834	3,030	3,016	3,004	2,984	2,968
Automobiles 1,000	4,100	4,140	3,366	3,593	(NA)	(NA)	2,688	(NA)
Grain combines 1,000	714	980	1,042	910	847	820	790	760
Corn pickers [3] 1,000	456	688	792	690	673	657	635	613
Pickup balers 1,000	196	448	680	751	739	726	711	692
Field forage harvesters 1,000	81	202	290	316	321	314	304	300
Farmers' expenditures:								
Motor vehicles [4] mil. dol.	1,734	1,482	1,227	2,121	2,392	2,317	2,443	2,588
Machinery and equipment mil. dol.	1,418	1,278	1,486	2,097	2,334	2,291	2,587	2,780

NA Not available. [1] Inventory valuations at beginning of year. Includes family automobiles.
[2] Excludes garden tractors. [3] Includes picker-shellers. [4] For farm business use.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Balance Sheet of the Farming Sector*, annual, and *Farm Income Situation*, July issue. Also in *Agricultural Statistics*, annual.

No. 996. Farm Equipment, 1940 to 1969, and by States, 1969

[In thousands. Beginning 1950, based on reports for a sample of farms. Prior to 1959, excludes Alaska and Hawaii. For composition of regions, see fig. I, p. xii]

Year, region, and state	Motortrucks on farms		Automobiles on farms		Tractors (other than garden on farms)		Combines self-propelled		Corn pickers	
	Farms reporting	Number	Farms reporting	Number	Farms reporting	Number	Farms reporting	Number	Farms reporting	Number
1940	944	1,047	3,542	4,144	[1] 1,410	[1] 1,567	(NA)	(NA)	(NA)	(NA)
1950	1,840	2,207	3,390	4,199	2,433	3,394	[2] 665	[2] 714	447	456
1959	2,177	2,833	2,957	3,636	2,587	4,688	[2] 975	[2] 1,042	767	792
1964	2,167	3,030	2,675	3,593	2,520	5,486	307	341	661	690
1969 (prel.)										
U.S.	**2,010**	**2,985**	**2,041**	**2,688**	**2,205**	**4,619**	**420**	**467**	**555**	**635**
The North	983	1,409	1,107	1,473	1,145	2,688	297	316	465	534
The South	809	1,118	742	945	851	1,431	85	102	83	93
The West	218	459	192	271	209	499	38	49	7	8
New England	**21**	**39**	**22**	**31**	**23**	**54**	(Z)	(Z)	**1**	**1**
Maine	6	12	6	8	7	14	(Z)	(Z)	(Z)	(Z)
New Hampshire	2	4	2	3	2	5	(Z)	(Z)	(Z)	(Z)
Vermont	4	6	6	8	6	15	(Z)	(Z)	(Z)	(Z)
Massachusetts	4	8	4	5	4	10	(Z)	(Z)	(Z)	(Z)
Rhode Island	1	1	(Z)	1	1	1	(Z)	(Z)	(Z)	(Z)
Connecticut	3	7	3	5	4	9	(Z)	(Z)	(Z)	(Z)
Middle Atlantic	**85**	**125**	**100**	**137**	**110**	**269**	**12**	**12**	**28**	**31**
New York	36	54	44	58	47	123	5	5	8	8
New Jersey	7	14	6	9	7	20	1	1	1	1
Pennsylvania	43	57	50	70	56	127	7	7	19	21
East North Central	**374**	**487**	**434**	**575**	**450**	**1,027**	**112**	**117**	**212**	**248**
Ohio	73	94	90	123	95	195	20	21	43	48
Indiana	75	100	83	108	85	174	23	24	43	50
Illinois	96	129	108	141	110	275	46	48	71	89
Michigan	56	75	65	85	70	153	13	13	24	27
Wisconsin	74	89	89	118	90	230	11	11	31	34
West North Central	**503**	**757**	**551**	**730**	**562**	**1,338**	**173**	**187**	**224**	**254**
Minnesota	85	117	101	137	101	259	26	27	48	54
Iowa	103	121	128	172	126	319	27	28	80	91
Missouri	100	133	102	122	113	202	23	24	31	36
North Dakota	42	91	42	57	43	118	24	27	3	4
South Dakota	37	58	41	55	41	112	11	12	18	20
Nebraska	60	96	64	88	64	166	25	27	32	37
Kansas	74	141	73	98	75	163	37	42	11	12
South Atlantic	**248**	**343**	**247**	**327**	**274**	**473**	**24**	**26**	**36**	**41**
Delaware	3	5	3	4	3	8	1	1	1	1
Maryland	12	20	13	18	15	34	2	3	4	5
Virginia	41	56	42	54	47	79	4	4	7	8
West Virginia	16	20	15	18	16	24	(Z)	(Z)	1	1
North Carolina	78	99	83	110	89	151	7	8	9	11
South Carolina	26	35	27	36	29	50	4	4	3	3
Georgia	50	71	46	60	52	84	5	5	8	10
Florida	22	38	19	25	23	43	1	1	2	2
East South Central	**255**	**324**	**246**	**312**	**277**	**423**	**17**	**21**	**36**	**39**
Kentucky	77	97	83	105	90	137	4	5	15	17
Tennessee	76	93	75	94	85	123	5	6	10	11
Alabama	51	67	45	57	51	75	3	3	7	7
Mississippi	50	66	44	55	50	89	5	7	3	4
West South Central	**306**	**450**	**248**	**306**	**300**	**535**	**44**	**55**	**11**	**13**
Arkansas	49	71	35	43	46	87	9	13	1	1
Louisiana	31	45	26	33	32	63	5	6	1	2
Oklahoma	68	107	56	68	63	102	13	15	1	2
Texas	158	228	131	162	159	282	17	21	7	8
Mountain	**106**	**233**	**94**	**132**	**99**	**246**	**26**	**31**	**5**	**5**
Montana	23	58	21	30	22	59	9	12	(Z)	(Z)
Idaho	23	47	21	28	22	54	6	8	1	1
Wyoming	8	18	7	10	7	21	1	2	(Z)	(Z)
Colorado	25	56	23	32	23	59	6	7	3	3
New Mexico	10	19	8	11	8	16	1	1	(Z)	(Z)
Arizona	5	12	3	6	4	12	(Z)	(Z)	(Z)	(Z)
Utah	11	18	9	13	11	20	1	1	(Z)	(Z)
Nevada	2	5	1	3	2	5	(Z)	(Z)	(Z)	(Z)
Pacific	**113**	**225**	**98**	**139**	**110**	**253**	**13**	**18**	**2**	**3**
Washington	28	57	26	37	28	59	5	7	1	1
Oregon	24	46	22	29	24	51	4	5	1	1
California	58	116	48	69	56	139	3	6	1	1
Alaska	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Hawaii	2	6	2	3	1	4	(Z)	(Z)	(Z)	(Z)

NA Not available. Z Less than 500. [1] All tractors. [2] All combines.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1959*, vol. II and *1969, United States Summ of County Reports*.

No. 997. Farm-Retail Spreads for Farm-Originated Food Products, by Commodity Group: 1957 to 1971

[**In dollars, except as indicated.** These estimates are for a market basket of domestic farm-originated food products purchased annually per household in 1960–61 by urban wage-earner and clerical-worker families and single workers living alone. Quantities of food valued do not change from year to year. See *Historical Statistics, Colonial Times to 1957*, series T 352–355, for earlier market basket totals]

COMMODITY GROUP AND VALUE	1957–1959 avg.	1960	1965	1968	1969	1970	1971 (prel.)
All farm food products,[1] retail cost	989	996	1,037	1,119	1,176	1,223	1,244
Farm value	397	393	416	441	480	476	476
Farm-retail spread	592	603	621	678	696	747	768
Farmer's share of consumer's dollar ....cents	40	39	40	39	41	39	38
Meat products, retail cost	288	287	307	329	363	380	376
Farm value	168	163	181	187	214	209	206
Farm-retail spread	120	124	126	142	149	171	170
Farmer's share of consumer's dollar ....cents	58	57	59	57	59	55	55
Dairy products, retail cost	172	177	178	202	208	218	224
Farm value	78	79	79	95	100	104	105
Farm-retail spread	94	98	99	107	108	114	119
Farmer's share of consumer's dollar ....cents	45	45	44	47	48	48	47
Poultry and eggs, retail cost	94	91	85	86	95	94	88
Farm value	57	56	49	48	56	51	45
Farm-retail spread	37	35	36	38	39	43	43
Farmer's share of consumer's dollar ....cents	61	62	58	55	58	54	52
Bakery and cereal products, retail cost	150	153	161	171	176	185	192
Farm value	26	25	28	28	28	29	30
Farm-retail spread	124	128	133	143	148	156	162
Farmer's share of consumer's dollar ....cents	17	16	17	16	16	16	16
Fruits and vegetables, retail cost	201	206	220	242	243	251	263
Farm value	51	54	61	66	65	62	67
Farm-retail spread	150	152	159	176	178	189	196
Farmer's share of consumer's dollar ....cents	25	26	28	27	27	25	25
Fats and oils, retail cost	37	34	37	38	38	41	44
Farm value	11	10	12	10	10	12	14
Farm-retail spread	26	24	25	28	28	29	30
Farmer's share of consumer's dollar ....cents	29	28	31	26	26	30	32

[1] Includes miscellaneous group not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm-Retail Spreads for Food Products*, MP No. 741, Jan. 1972, and *The Marketing and Transportation Situation*, Feb. 1972.

No. 998. Supply and Utilization of Farm Commodities: 1947 to 1971

[**Percent distribution.** Prior to 1960, excludes Alaska and Hawaii, except imports and exports include Alaska, Hawaii, and Puerto Rico for all years. "Net" means that commodities used for feed and seed are excluded to avoid double counting. See *Historical Statistics, Colonial Times to 1957*, series K 104–115, for related data]

ITEM	1947–1949	1957–1959	1950	1955	1960	1965	1968	1969	1970	1971 (prel.)
Supply	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Net production [1]	91.4	90.2	87.3	93.0	91.1	90.6	89.1	89.6	85.9	92.5
Net imports	11.5	11.6	12.4	11.0	11.1	10.8	12.1	11.1	11.0	11.0
Stock change [2]	−2.9	−1.8	+0.3	−4.0	−2.2	−1.4	−1.2	−.7	3.1	−3.5
Net utilization	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Domestic use	91.6	88.3	91.1	90.7	86.4	85.7	86.5	87.8	85.8	86.3
Food:										
Civilian	75.1	76.0	75.2	77.1	74.7	73.5	75.1	76.9	76.1	77.1
Military [3]	3.3	1.4	1.7	1.7	1.2	1.6	1.6	1.4	1.1	1.0
Net nonfood [4]	13.2	10.9	14.2	11.9	10.5	10.6	9.8	9.5	8.6	8.2
Exports and shipments	8.4	11.7	8.9	9.3	13.6	14.3	13.5	12.2	14.2	13.7

[1] Meat production includes carcass weight of commercial and farm slaughter; excludes change in live animal inventory.
[2] Includes farm and commercial stocks and holdings under Government programs. Minus sign (−) indicates increase in stocks from beginning to end of year; plus sign (+) indicates withdrawals from stocks.
[3] Includes civilian feeding in areas occupied by our Armed Forces.
[4] Includes some waste and loss at farm level.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The National Food Situation*.

No. 999. Farm Output Indexes and Acreage of 59 Crops: 1940 to 1971

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series K 190-194 and K 254-264, for indexes on a 1947-49 base]

ITEM	1940	1950	1955	1960	1965	1968	1969	1970	1971
INDEXES, 1967=100									
Farm output [1]	60	73	82	90	97	102	103	102	111
Per unit of total input	64	76	83	96	101	100	101	99	107
Gross production:									
Livestock and products [2]	60	75	84	87	95	100	101	106	108
Meat animals	60	74	86	85	92	102	102	108	112
Dairy products	85	93	99	101	104	99	99	100	101
Poultry and eggs	36	56	62	75	90	98	101	106	107
Crops [3]	66	76	82	92	98	103	104	100	112
Feed grains	53	65	69	88	89	95	99	90	117
Hay and forage	75	77	85	89	97	100	100	100	106
Food grains	52	64	62	86	87	105	97	91	107
Vegetables	74	85	86	91	96	103	103	102	101
Fruits and nuts	83	87	88	87	95	93	113	108	115
Sugar crops	64	68	63	75	100	116	120	120	122
Cotton	170	135	199	192	202	148	135	135	141
Tobacco	74	103	111	99	94	87	91	97	89
Oil crops	20	41	46	61	90	112	115	116	119
ACREAGE, 59 CROPS [4] (million acres)									
Planted or grown	348	353	354	324	304	308	299	306	320
Harvested	332	336	332	316	291	295	287	289	302

[1] Measures annual volume of farm production available for eventual human use.
[2] Includes livestock products not shown separately, except horses and mules. Livestock production consists of 3 components: Constant-dollar value of pasture consumed, other feed consumed, and product-added in converting feed and pasture into livestock and products for human use.
[3] Total constant dollar value of all crop production regardless of its final disposition.
[4] Source: U.S. Dept. of Agriculture, Statistical Reporting Service. In *Agricultural Statistics*, annual.

Source: Except as noted, U.S. Dept of Agriculture, Economic Research Service, *Changes in Farm Production and Efficiency*, annual.

No. 1000. Farm Productivity—Man-Hours and Indexes of Farm Output: 1940 to 1971

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series K 102-103 and W 48-50, for indexes on a 1947-49 base]

ITEM	1940	1950	1955	1960	1965	1968	1969	1970 (prel.)	1971 (prel.)
Persons supplied per farm worker, number [1]	10.7	15.5	19.5	25.8	37.0	43.4	45.1	47.1	49.0
At home	10.3	13.8	17.3	22.3	30.8	37.9	39.0	39.9	42.0
Abroad	0.4	1.7	2.2	3.5	6.2	5.5	6.1	7.2	7.0
Man-hours of labor required on farms [2] **bil**	20.5	15.1	12.8	9.8	7.8	7.4	6.7	6.5	6.6
All productive livestock	6.1	5.5	4.9	3.8	3.0	2.6	2.5	2.4	2.4
All crops	10.4	6.9	6.0	4.6	3.7	3.4	3.3	3.2	3.3
Farm maintenance [3]	4.0	2.7	1.9	1.4	1.1	1.0	0.9	0.9	0.9
INDEX, 1967=100									
Farm output per man-hour [4]	21	35	47	67	91	106	112	113	122
All livestock and products	27	37	46	62	87	105	112	120	121
Meat animals	50	55	62	70	90	105	110	117	118
Milk cows	25	35	43	60	87	106	115	123	125
Poultry	15	21	32	55	87	105	112	120	122
All crops	22	39	48	71	92	106	112	110	122
Feed grains	10	23	31	58	92	102	109	100	122
Hay and forage	30	55	63	84	96	102	145	146	149
Food grains	21	40	50	93	101	108	113	117	124
Vegetables	40	57	70	89	99	101	106	104	110
Fruits and nuts	51	64	75	74	95	98	109	110	114
Sugar crops	27	38	53	79	88	113	115	117	118
Cotton	17	25	39	56	101	130	117	125	124
Tobacco	56	66	75	87	95	98	98	103	102
Oil crops	18	47	60	84	100	110	114	115	117
Cropland used for crops [5]	107	110	110	104	98	99	97	98	101
Crop production per acre	63	69	74	88	100	104	107	102	111

[1] Refers to persons supplied farm products; includes the farmworker.
[2] Man-equivalent hours; represents overhead, and time used by average adult males in performing farm operations on crops and livestock. [3] Includes work on horses and mules.
[4] Index of farm output (production) divided by index of man-hours used.
[5] Harvested acreages plus acreages of crop failure and summer fallow.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Changes in Farm Production and Efficiency*, annual. Also in *Agricultural Statistics*, annual.

No. 1001. Selected Farm Indexes of Inputs: 1950 to 1971

[1967=100]

ITEM	1950	1955	1960	1965	1966	1968	1969	1970	1971 (prel.)
Total	96	98	94	97	98	102	102	103	104
Farm labor	199	170	134	109	101	96	94	92	93
Farm real estate	97	99	95	99	99	100	100	101	102
Mechanical power and machinery	79	91	91	96	100	102	103	103	103
Fertilizer and liming materials	32	45	54	80	90	107	110	113	118
Feed, seed, and livestock purchases [1]	64	73	84	91	97	101	104	109	111
Taxes and interest	77	82	87	95	98	103	105	108	113
Miscellaneous	63	69	80	94	97	109	101	100	100

[1] Nonfarm portion of feed, seed, and livestock purchases.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Changes in Farm Production and Efficiency*, annual. Also in *Economic Report of the President*, Jan. 1972.

No. 1002. Farm Labor—Man-Hours Per Unit of Production, Selected Crops and Livestock: 1935–39 to 1966–70

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 87, K 92, and K 97]

CROP AND ITEM	1935–39	1945–49	1955–59	1966–70 [1]
Corn for grain:				
Man-hours per acre [2]	28.1	19.2	9.9	5.6
Yield ... bushels	26.1	36.1	48.7	77.0
Man-hours per 100 bushels	108	53	20	7
Wheat:				
Man-hours per acre [2]	8.8	5.7	3.8	2.9
Yield ... bushels	13.2	16.9	22.3	28.3
Man-hours per 100 bushels	67	34	17	10
Hay:				
Man-hours per acre [2]	11.3	8.4	6.0	3.6
Yield ... short tons	1.24	1.35	1.61	1.98
Man-hours per short ton	9.1	6.2	3.7	1.8
Potatoes:				
Man-hours per acre [2]	69.7	68.5	53.1	44.6
Yield ... cwt	70	118	178	216
Man-hours per short ton	20	12	6	4
Cotton:				
Man-hours per acre [2]	99	83	66	27
Yield ... pounds	226	273	428	464
Man-hours per bale	209	146	74	28
Tobacco:				
Man-hours per acre [3]	415	460	475	491
Yield ... 100 lb	8.9	1.2	1.5	2.0
Man-hours per 100 pounds	47	39	31	25

LIVESTOCK AND ITEM	1935–39	1945–49	1955–59	1966–70 [1]
Milk cows:				
Man-hours per cow	148	129	109	74
Milk per cow ... 100 lb	4.4	5.0	6.3	9.0
Man-hours per cwt. of milk	3.4	2.6	1.7	0.8
Cattle, ex. milk cows: Man-hours per cwt. of beef produced [4 5]	4.2	4.0	3.2	2.0
Hogs: Man-hours per cwt. produced [5]	3.2	3.0	2.4	1.3
Chickens (laying flocks and eggs):				
Man-hours per 100 layers	221	240	175	94
Rate of lay	129	161	200	219
Man-hours per 100 eggs produced	1.7	1.5	0.9	0.4
Chickens (farm raised):				
Man-hours per 100 birds	30	29	23	14
Man-hours per cwt. produced [5]	9.0	7.7	6.7	3.6
Chickens (broilers):				
Man-hours per 100 birds	25	16	4	2
Man-hours per cwt. produced [5]	8.5	5.1	1.3	0.5
Turkeys: Man-hours per cwt. produced [5]	23.7	13.1	4.4	1.2

[1] Preliminary.
[2] Man-hours per acre harvested, including preharvest work on acreages abandoned, grazed, and turned under.
[3] Per acre planted and harvested.
[4] Production includes beef produced as a byproduct of the milk cow enterprise.
[5] Liveweight production.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1003. Value of Raw Materials in Constant Dollars—Summary, by Major Groups: 1950 to 1969

[In millions of 1967 dollars. Annual averages. These measures estimated to cover over 95 percent of all U.S. production and consumption; for details on scope and methodology and for historical series, see source]

Item and year	All raw materials	Agricultural materials			Fishery and wildlife products	Forest products	Minerals			
		Total	Crops	Livestock			Total	Metallic ores	Mineral fuels	Other minerals
Production:										
1950–1954	44,402	26,199	10,085	16,114	490	2,983	14,730	1,869	10,846	2,015
1955–1959	49,489	29,191	11,090	18,101	478	2,975	16,845	1,971	12,210	2,665
1960–1964	53,483	31,554	11,997	19,557	478	2,941	18,510	2,148	13,199	3,163
1965–1969	60,677	34,609	13,265	21,344	549	3,207	22,311	2,332	16,042	3,937
1968	62,396	35,467	13,601	21,866	537	3,248	23,144	2,304	16,809	4,031
1969	63,335	35,552	13,662	21,890	581	3,210	23,992	2,551	17,290	4,151
Imports: [1]										
1950–1954	6,858	3,415	2,802	613	342	390	2,712	1,488	1,007	218
1955–1959	8,216	3,572	2,876	696	399	424	3,821	1,897	1,652	271
1960–1964	9,205	3,956	2,974	982	565	502	4,183	1,632	2,212	338
1965–1969	11,219	4,247	3,153	1,094	805	610	5,557	2,103	2,992	463
1968	12,203	4,639	3,447	1,192	882	649	6,033	2,366	3,174	493
1969	11,912	4,272	3,118	1,154	857	676	6,107	2,058	3,543	506
Exports: [1]										
1950–1954	3,703	2,445	1,990	456	45	98	1,115	370	644	101
1955–1959	4,937	3,329	2,628	701	56	124	1,429	578	708	143
1960–1964	6,325	4,650	3,825	824	68	172	1,435	804	437	194
1965–1969	7,157	5,123	4,335	788	111	268	1,655	835	533	287
1968	7,366	5,171	4,379	792	99	315	1,781	936	538	307
1969	7,119	4,797	4,020	777	134	309	1,879	1,000	572	307
Consumption:										
1950–1954	46,856	26,637	10,231	16,406	787	3,275	16,157	2,936	11,096	2,126
1955–1959	51,856	28,776	10,514	18,262	821	3,276	18,983	3,119	13,073	2,790
1960–1964	56,483	30,854	11,209	19,645	974	3,271	21,383	3,142	14,942	3,300
1965–1969	65,002	33,758	12,141	21,618	1,243	3,549	26,451	3,939	18,401	4,111
1968	67,095	34,608	12,318	22,290	1,320	3,582	27,585	4,105	19,313	4,167
1969	68,490	35,002	12,664	22,338	1,304	3,577	28,607	4,046	20,323	4,238

[1] Excludes gold.

Source: U.S. Bureau of the Census and U.S. Bureau of Mines, *Raw Materials in the United States Economy: 1900–1969* (U.S. Bureau of the Census Working Paper No. 35).

No. 1004. Selected Agricultural Products—U.S. and World Production and Exports: 1971

[Cotton, soybean, and grain production for crop year; other commodities and all export data for calendar year and partially estimated, except as indicated]

Commodity	Unit	Production			Exports [2]		
		United States [1]	World		United States	World	
			Total	Percent U.S.		Total	Percent U.S.
Wheat	Million bushels	1,370	10,579	13.0	[3,4] 728	[3,4] 1,977	36.8
Corn for grain	Million bushels	4,099	9,904	41.4	[3] 515	[3] 1,020	50.5
Soybeans	Million bushels	1,169	1,603	73.0	433	463	93.5
Rice, rough	1,000 metric tons	[2] 3,820	[2] 288,650	1.3	1,695	7,131	23.8
Lard	Million pounds	[2] 1,908	[2] 7,710	24.7	366	981	37.3
Tallow and greases	Million pounds	[2] 5,474	[2] 9,769	56.0	2,261	[5] 3,433	65.9
Tobacco, unmanufactured	Million pounds	1,751	9,963	17.6	510	1,789	28.5
Edible vegetable oils [6]	1,000 short tons	[7] 6,736	28,100	24.0	[8] 3,323	[9] 8,595	38.7
Cotton	1,000 bales [10]	10,548	55,091	19.1	3,897	17,342	22.5

[1] Excludes Alaska, Hawaii, Puerto Rico. [2] Calendar year 1970. [3] Fiscal year 1970–71.
[4] Includes wheat flour in grain equivalent. [5] Excludes animal oils. [6] Includes palm oils.
[7] Includes oil equivalent of exported oil seeds. [8] Excludes reexports and exports of oil produced fro ported raw materials. [9] Exports from producing countries. [10] Bales of 480 pounds, net weight.

Source: U.S. Foreign Agricultural Service. Appears irregularly in *World Agriculture Production and Trai*

No. 1005. Agricultural Exports and Imports—Value: 1942 to 1971

[**In millions of dollars, except percent.** For years ending June 30. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products)]

ITEM	*1942–1946, avg.*	*1947–1951, avg.*	*1952–1956, avg.*	*1957–1961, avg.*	*1962–1966, avg.*	1960	1965	1969	1970	*1971* (prel.)
Exports, domestic products	1,976	3,468	3,290	4,383	5,812	4,517	6,097	5,741	6,721	7,759
Percent of all exports	19	28	21	23	24	24	23	16	16	18
Imports for consumption	1,645	3,378	4,209	3,878	4,770	4,010	3,986	4,931	5,592	5,829
Percent of all imports	46	46	39	28	22	26	20	14	15	14

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1006. Principal Agricultural Exports—Value: 1941 to 1971

[**In millions of dollars.** Includes Puerto Rico. Excludes reexports of foreign products. Includes shipments under foreign aid programs. *Prior to 1948, excludes civilian supply shipments*]

ITEM	1941–1945, avg.	1946–1950, avg.	1951–1955, avg.	1956–1960, avg.	1961–1965, avg.	1966–1970, avg.	1965	1970	1971
Agricultural exports	**1,654**	**3,223**	**3,314**	**4,264**	**5,644**	**6,480**	**6,229**	**7,358**	**7,695**
Meats and meat products	373	114	59	104	162	179	170	188	204
Eggs and dairy products	377	270	117	130	146	130	192	137	185
Animal fats and oils	109	109	172	182	195	179	224	244	266
Hides and skins	1	16	37	64	89	140	109	144	155
Bread grains and preparations	113	896	700	821	1,268	1,197	1,214	1,144	1,127
Coarse grains and prepn., exc. rice	31	225	324	478	841	1,082	1,162	1,099	1,006
Rice	30	83	119	117	178	311	244	314	256
Fodders and feeds	*4*	*19*	*34*	*65*	*179*	*386*	*278*	496	551
Vegetables and preparations	59	73	83	115	134	169	151	181	183
Fruits and preparations	84	128	151	245	285	311	312	330	346
Vegetable oils, fats and waxes, oilseeds, nuts and prepn	46	145	254	499	774	1,182	1,029	1,642	1,852
Tobacco, unmanufactured	138	268	315	355	393	506	383	488	463
Cotton, unmanufactured	152	674	761	778	639	408	495	378	589
All other	140	203	191	312	362	299	265	571	512

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States; Quarterly Summary of Foreign Commerce of the United States; U.S. Exports, Schedule B Commodity and Country*, FT410, monthly; and unpublished data.

No. 1007. Agricultural Exports Under Specified Government-Financed Programs—Value, by Selected Commodities: 1960 to 1971

[**In millions of dollars, except percent.** For years ending June 30. Includes Puerto Rico]

ITEM	1960	1965	1968	1969	1970	1971
Agricultural exports [1]	**4,517**	**6,097**	**6,311**	**5,741**	**6,721**	**7,759**
Outside Government programs [1 2]	3,234	4,499	5,014	4,698	5,652	6,682
Under Government programs [1]	1,283	1,598	1,297	1,043	1,069	1,077
Percent of total	28.4	26.2	20.6	18.2	15.9	13.9
Wheat	541.2	886.1	574.1	320.3	310.5	303.0
Wheat flour	108.7	104.6	60.2	83.2	96.7	77.6
Corn	71.0	54.7	23.4	13.4	34.8	28.9
Grain sorghums	25.2	12.6	64.9	23.1	28.1	30.7
Rice	73.7	68.8	135.2	168.1	153.4	168.7
Cotton	155.9	165.0	118.6	98.0	139.6	*103.3*
Soybean oil	72.2	122.7	104.4	76.9	89.3	120.4
Milk, nonfat, dried	40.7	63.1	64.2	73.9	74.9	94.4

[1] Sources of values for Government financed programs are different from those for total exports; therefore, not fully comparable in regard to valuation, shipping period, etc. Entries for "outside Government programs" are the residuals of the other 2 series. [2] Exports outside specified Government financed programs include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of (*a*) barter for overseas procurement for other U.S. agencies, (*b*) short-term credits extended by the Commodity Credit Corporation and the Export Import Bank, (*c*) sales of Government owned commodities below domestic market prices, and (*d*) export payments in cash or in kind.

Source; U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual, and *Foreign Agricultural Trade of the United States*, monthly.

No. 1008. Acreages of Harvested Crops for Specified Purposes: 1950 to 1971

ITEM	1950	1955	1960	1965	1968	1969	1970	1971 (prel.)
Crops harvested [1] ..... **mil. acres**	**345**	**340**	**324**	**298**	**303**	**294**	**297**	***310***
Domestic use [2] ..... mil. acres	295	293	260	222	249	233	225	242
Per capita [3] ..... acres	1.94	1.78	1.44	1.14	1.24	1.15	1.10	1.17
Exports ..... mil. acres	50	47	64	76	54	61	72	68

[1] Area in 59 principal crops harvested as reported by Statistical Research Service plus acreage in fruits, tree nuts, and farm gardens.
[2] Includes feed for horses and mules.
[3] Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Changes in Farm Production and Efficiency*, annual.

No. 1009. Crops—Farms Reporting, Acreage, and Production: 1959 and 1969

CROP	FARMS (1,000)		ACREAGE (1,000)		PRODUCTION (millions)		
	1959	1969	1959	1969	Unit	1959	1969
All farms:							
Field corn for all purposes	2,144	1,085	(NA)	(NA)	(X)	(NA)	(NA)
For grain	1,990	986	70,065	52,540	Bu	3,697	4,442
Cut for silage, green or dry fodder, or hogged or grazed	(NA)	319	9,551	7,862	(X)	(X)	(X)
Sorghums for all purposes, except sirup	(NA)	183	(NA)	(NA)	(X)	(NA)	(NA)
For grain or seed	223	136	14,560	12,954	Bu	508	682
Cut for silage, dry forage or hay or hogged or grazed	(NA)	76	3,345	2,534	(X)	(X)	(X)
Wheat for grain	931	584	49,567	45,373	Bu	1,056	1,328
Other small grains	(NA)	632	47,795	32,941	Bu	(NA)	(NA)
Soybeans for beans	500	530	22,080	38,550	Bu	516	1,041
Hay, excluding sorghum hay	(NA)	1,230	64,310	53,204	Tons	107	112
Cotton	510	200	14,649	11,496	Bales	14	10
Peanuts for nuts	96	48	1,333	1,427	Lb	1,413	2,459
Tobacco	417	276	1,108	877	Lb	1,647	1,644
Irish sweet potatoes	(NA)	108	1,419	1,428	Bu	403	(NA)
Vegetables, sweet corn or melons for sale	182	102	3,491	3,352	(X)	(NA)	(NA)
Berries for sale	(NA)	25	192	139	(NA)	(NA)	(NA)
Land in orchards	319	133	4,120	4,234	(X)	(NA)	(NA)
Other crops	(NA)	160	11,021	7,238	(X)	(NA)	(NA)
Farms with sales $2,500 and over:							
Field corn for all purposes:							
For grain	1,279	796	63,109	50,694	Bu	3,487	4,357
Cut for silage	(NA)	286	(NA)	7,262	Tons (green wt.)	(NA)	91
Cut for green or dry fodder, hogged or grazed	(NA)	26	(NA)	433	(X)	(X)	(X)
Sorghums for all purposes, except sirup:							
For grain or seed	(NA)	126	(NA)	12,738	Bu	(NA)	675
Cut for silage	(NA)	31	(NA)	857	Tons (green wt.)	(NA)	10
Cut for dry forage or hay	(NA)	30	(NA)	1,008	Tons (dry wt.)	(NA)	2
Hogged or grazed	(NA)	13	(NA)	550	(X)	(X)	(X)
Alfalfa and alfalfa mixtures for hay or dehydrating	808	525	24,303	22,139	Tons, dry	58	63
Clover, timothy and mixtures of clover and grasses for hay	443	308	11,651	10,525	Tons, dry	19	19
Small grain hay	145	70	3,059	2,249	Tons, dry	3	3
Other hay	(NA)	221	15,756	11,307	Tons, dry	16	14
Grass silage	71	42	1,315	1,364	Tons, green	9	9
Hay crops cut and fed green	(NA)	31	(NA)	695	Tons, green	(NA)	4
Red clover seed	(NA)	21	(NA)	325	Lb	(NA)	34
Alfalfa seed	(NA)	9	(NA)	405	Lb	(NA)	90
Strawberries	(NA)	10	(NA)	47	Lb	(NA)	421
Wheat for grain	(NA)	504	(NA)	44,075	Bu	(NA)	1,296
Winter wheat	(NA)	418	(NA)	33,575	Bu	(NA)	1,001
Oats for grain	(NA)	463	(NA)	16,354	Bu	(NA)	880
Barley for grain	(NA)	121	(NA)	8,925	Bu	(NA)	394
Rye for grain	(NA)	29	(NA)	1,115	Bu	(NA)	26
Soybeans for beans	(NA)	445	(NA)	37,262	Bu	(NA)	1,013
Peanuts for nuts	(NA)	36	(NA)	1,377	Lb	(NA)	2,409
Irish potatoes	321	55	1,173	1,286	Hund. wt.	221	275
Tobacco	(NA)	163	(NA)	789	Lb	(NA)	1,485
Cotton	(NA)	137	(NA)	11,061	Bales	(NA)	10
Vegetables, sweet corn or melon for sale	114	71	(NA)	3,260	(X)	(NA)	(NA)
Land in orchard	168	84	3,576	4,010	(X)	(NA)	(NA)

NA Not available. X Not applicable.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1964, vol. II* and *1969 U.S. Summary of County Reports*.

No. 1010. Principal Crops—Acreage, Production, and Value: 1946 to 1971

[Excludes Alaska and Hawaii. For weights of units of measure, see Appendix I. Acreage, production, and yield of all crops revised on basis of census data. See also *Historical Statistics, Colonial Times to 1957*, series K 265–312, for acreage harvested, production, and price data for all crops listed except sorghums]

ITEM	1946–1950, avg.	1951–1955, avg.	1956–1960, avg.	1961–1965, avg.	1960	1965	1969	1970	1971 (prel.)
Corn for grain:									
Acreage harvested..1,000 acres..	75,711	70,082	67,001	56,658	71,422	55,332	54,598	57,224	63,819
Production.....mil. bu..	2,808	2,814	3,442	3,758	3,907	4,084	4,583	4,099	5,540
Farm value [1].....mil. dol..	(NA)	4,187	4,074	4,243	3,929	4,732	5,290	5,441	5,890
Yield per acre.....bu..	37.0	40.2	51.2	66.3	54.7	73.8	83.9	71.6	86.8
Price [2].....dol. per bu..	1.56	1.49	1.11	1.13	1.00	1.16	1.15	1.33	1.06
Wheat:									
Acreage harvested..1,000 acres..	70,312	60,497	50,032	48,017	51,879	49,560	47,577	44,141	48,453
Production.....mil. bu..	1,185	1,077	1,178	1,214	1,355	1,316	1,460	1,370	1,640
Farm value [1].....mil. dol..	2,398	2,229	2,140	2,027	2,361	1,775	1,816	1,826	2,168
Yield per acre.....bu..	16.9	17.9	23.4	25.3	26.1	26.5	30.7	31.0	33.8
Price [2].....dol. per bu..	2.01	2.07	1.83	1.69	1.74	1.35	1.24	1.33	1.32
Oats:									
Acreage harvested..1,000 acres..	39,409	37,872	30,598	21,162	26,588	18,479	17,930	18,524	15,734
Production.....mil. bu..	1,339	1,311	1,209	953	1,153	927	950	909	876
Farm value [1].....mil. dol..	1,071	950	751	604	693	585	565	581	538
Yield per acre.....bu..	33.9	34.6	39.7	45.2	43.4	50.2	53.0	49.1	55.7
Price [2].....dol. per bu..	.81	.73	.62	.63	.60	.62	.59	.62	.60
Sugar beets:									
Acreage harvested..1,000 acres..	797	743	883	1,212	957	1,248	1,541	1,413	1,336
Production....mil. short tons..	11	12	15	21	16	21	28	26	27
Farm value [1].....mil. dol..	125	135	178	248	190	250	353	391	414
Yield per acre.....short tons..	14.1	15.9	17.5	17.1	17.2	16.8	18.0	18.7	20.1
Price [2].....dol. per ton..	11.11	11.45	11.54	11.98	11.58	11.95	12.72	14.84	15.40
Rice, rough:									
Acreage harvested..1,000 acres..	1,718	2,106	1,501	1,742	1,595	1,793	2,128	1,815	1,818
Production.....mil. cwt..	37	53	49	68	55	76	91	84	84
Farm value [1].....mil. dol..	185	268	233	340	248	376	450	433	440
Yield per acre.....lb..	2,161	2,549	3,265	3,892	3,423	4,255	4,268	4,615	4,638
Price [2].....dol. per cwt..	5.01	5.05	4.76	5.00	4.55	4.93	4.95	5.17	5.22
Sorghums for grains:									
Acreage harvested..1,000 acres..	7,283	8,955	15,284	12,131	15,601	13,029	13,525	13,732	16,601
Production.....mil. bu..	143	170	506	548	620	673	747	696	895
Farm value [1].....mil. dol..	180	209	471	549	515	668	791	798	925
Yield per acre.....bu..	19.2	18.7	32.4	45.0	39.7	51.6	55.3	50.7	53.9
Price [2] [3].....dol. per bu..	1.33	1.29	.96	1.01	.84	1.00	1.07	1.15	1.03
Cotton, excluding linters:									
Acreage harvested..1,000 acres..	21,421	22,678	14,290	14,617	15,309	13,615	11,055	11,160	11,463
Production [4].....mil. bales [5]..	12	15	13	15	14	15	10	10	11
Farm value [1].....mil. dol..	1,975	2,565	2,022	2,312	2,154	2,106	1,055	1,119	1,427
Yield per acre.....lb..	273	326	434	491	446	527	434	437	442
Price [2].....cents per lb..	32.72	34.13	31.30	30.99	30.19	28.14	21.09	21.98	[6] 28.2
Hay:									
Acreage harvested..1,000 acres..	73,639	74,777	69,666	67,285	67,313	67,684	62,053	62,911	63,265
Production....mil. short tons..	99	109	115	120	118	126	128	127	131
Farm value [1].....mil. dol..	2,174	2,455	2,282	2,679	2,410	2,913	2,984	3,100	3,333
Yield per acre.....short tons..	1.35	1.46	1.66	1.78	1.76	1.85	2.06	2.03	2.07
Price [2] [7].....dol. per ton..	21.90	22.50	20.90	22.80	21.70	23.20	24.70	26.10	28.30
Soybeans, for beans:									
Acreage harvested..1,000 acres..	11,263	15,709	22,351	29,694	23,655	34,449	40,982	42,056	42,409
Production.....mil. bu..	230	313	520	719	555	846	1,126	1,124	1,169
Farm value [1].....mil. dol..	581	798	1,075	1,770	1,185	2,151	2,647	3,205	3,465
Yield per acre.....bu..	20.4	20.0	23.2	24.2	23.5	24.5	27.5	26.7	27.6
Price [2].....dol. per bu..	2.56	2.57	2.07	2.46	2.13	2.54	2.35	2.85	2.96
Irish potatoes:									
Acreage harvested..1,000 acres..	1,992	1,420	1,378	1,361	1,386	1,384	1,413	1,420	1,380
Production.....mil. cwt..	[8] 259	[8] 217	[8] 252	272	257	291	312	326	316
Farm value [1].....mil. dol..	564	479	476	580	513	731	694	712	626
Yield per acre.....cwt..	132	153	183	200	185	210	221	229	229
Price [2].....dol. per cwt..	2.18	2.25	1.90	2.17	2.00	2.53	2.23	2.21	2.00
Tobacco:									
Acreage harvested..1,000 acres..	1,718	1,670	1,172	1,126	1,142	977	920	899	843
Production.....mil. lb..	2,080	2,217	1,864	2,160	1,944	1,855	1,804	1,908	1,751
Farm value [1].....mil. dol..	974	1,141	1,075	1,311	1,184	1,207	1,296	1,390	1,368
Yield per acre.....lb..	1,215	1,331	1,591	1,921	1,703	1,898	1,961	2,121	2,078
Price [2].....dol. per lb..	.47	.51	.58	.61	.61	.65	.72	.73	.78

NA Not available. [1] Values are based on season average prices; see footnote 2.
[2] Season average price received by farmers. State prices weighted by production to obtain U.S. price prior to 1958, but weighted by sales beginning 1958. For certain years, prices for wheat, rice, corn for grain, grain sorghums, oats, soybeans, and cotton include an allowance for unredeemed loans and purchase agreement deliveries.
[3] Based on reported price of grain sorghums.
[4] State production figures, which conform with U.S. Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added for U.S. totals.
[5] Bales of 500 pounds, gross weight. Beginning 1969, bales of 480 lb., net weight.
[6] Average price to April 1, 1972. [7] Prices are for hay sold baled.
[8] Includes some quantities not harvested and/or not marketed on account of economic conditions.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service. In *Agricultural Statistics*, annual; *Crop Production*, annual; and *Crop Values*, annual.

No. 1011. Principal Crops—Acreage and Value, 1969 to 1971, and Order of Value, 1971, by States

[Acreage covers 59 major field crops and vegetables; value covers 78 major field crops, vegetables, fruits, and nuts]

State	Harvested acreage of 59 crops (1,000)			Farm value of 78 crops (mil. dol.)			Crops in order of value, 1971
	1969	1970	1971 (prel.)	1969	1970	1971 (prel.)	
U.S.[1]	286,669	288,602	301,434	22,895	24,038	26,129	Corn, soybeans, hay, wheat.
N.E.:							
Maine	520	502	517	96	90	94	Potatoes, hay, apples, oats.
N.H.	145	142	142	10	12	14	Hay, apples, sweet corn, potatoes.
Vt.	593	591	599	32	38	43	Hay, apples, maple sirup, potatoes.
Mass.	186	180	178	51	53	52	Cranberries, hay, tobacco, apples.
R.I.	23	23	24	5	5	5	Potatoes, hay, apples, peaches.
Conn.	170	169	175	46	49	48	Tobacco, hay, apples, potatoes.
M.A.:							
N.Y.	4,268	4,304	4,261	391	409	404	Hay, potatoes, grapes, apples.
N.J.	478	477	483	104	108	108	Tomatoes, hay, peaches, potatoes.
Pa.	4,322	4,363	4,545	354	383	365	Hay, corn, potatoes, apples.
E.N.C.:							
Ohio	8,628	8,769	9,497	655	743	819	Corn, soybeans, hay, wheat.
Ind.	10,473	10,579	11,141	920	944	1,037	Corn, soybeans, hay, wheat.
Ill.	20,122	20,111	20,775	1,852	1,804	2,023	Corn, soybeans, hay, wheat.
Mich.	5,715	5,644	6,077	470	536	503	Corn, hay, dry beans, soybeans.
Wis.	9,032	9,076	9,287	542	592	636	Corn, hay, oats, potatoes.
W.N.C.:							
Minn.	17,271	17,426	18,894	993	1,097	1,119	Corn, soybeans, hay, oats.
Iowa	20,094	20,631	21,866	1,671	1,802	1,945	Corn, soybeans, hay, oats.
Mo.	10,660	11,333	12,131	647	728	899	Corn, soybeans, hay, cotton lint.
N. Dak.	17,477	17,334	18,645	596	513	652	Wheat, barley, hay, oats.
S. Dak.	13,814	14,322	15,279	433	405	453	Corn, hay, wheat, oats.
Nebr.	15,616	15,684	16,609	939	887	1,004	Corn, hay, wheat, sorghum grain.
Kans.	19,040	18,968	19,717	820	815	967	Wheat, sorghum grain, corn, hay.
S.A.:							
Del.	480	491	506	44	47	41	Corn, soybeans, potatoes, hay.
Md.	1,450	1,446	1,477	142	155	144	Corn, hay, tobacco, soybeans.
Va.	2,620	2,666	2,756	314	328	322	Tobacco, hay, corn, peanuts.
W. Va.	718	722	751	49	49	55	Hay, apples, corn, tobacco.
N.C.	4,012	4,123	4,450	841	939	911	Tobacco, corn, soybeans, peanuts.
S.C.	2,295	2,331	2,542	261	270	317	Tobacco, soybeans, cotton lint, corn.
Ga.	3,817	3,900	4,323	409	481	572	Peanuts, corn, tobacco, cotton lint.
Fla.	1,347	1,347	1,462	810	761	859	Oranges, grapefruit, tomatoes, sugarcane for sugar and seed.
E.S.C.:							
Ky.	3,674	3,707	4,269	535	517	585	Tobacco, corn, hay, soybeans.
Tenn.	4,044	4,031	4,392	313	328	398	Soybeans, tobacco, cotton lint, hay.
Ala.	2,746	2,685	2,912	205	225	305	Cotton lint, peanuts, soybeans, corn.
Miss.	4,814	4,899	5,118	364	453	516	Cotton lint, soybeans, cottonseed, hay.
W.S.C.:							
Ark.	7,066	7,342	7,314	544	613	666	Soybeans, cotton lint, rice, hay.
La.	3,524	3,628	3,690	339	398	433	Soybeans, rice, cotton lint, sugarcane for sugar and seed.
Okla.	8,257	8,005	7,945	341	328	321	Wheat, hay, peanuts, sorghum grain.
Tex.	19,845	19,131	17,854	1,214	1,387	1,368	Cotton lint, sorghum grain, hay, rice.
Mt.:							
Mont.	8,145	8,205	8,759	293	287	312	Wheat, hay, barley, sugar beets.
Idaho	3,944	3,944	3,958	415	427	449	Potatoes, hay, wheat, sugar beets.
Wyo.	1,780	1,831	1,826	78	83	94	Hay, sugar beets, wheat, barley.
Colo.	5,956	6,082	6,504	290	331	347	Hay, wheat, corn, sugar beets.
N. Mex.	1,115	1,131	1,181	103	105	118	Hay, sorghum grain, cotton lint, lettuce.
Ariz.	1,109	1,132	1,118	288	270	308	Cotton lint, lettuce, hay, wheat.
Utah	1,071	1,062	1,066	76	76	81	Hay, wheat, barley, sugar beets.
Nev.	467	486	478	28	29	32	Hay, alfalfa seed, barley, wheat.
Pac.:							
Wash.	4,432	4,343	4,455	431	490	539	Wheat, apples, hay, potatoes.
Oreg.	2,707	2,566	2,657	255	245	273	Hay, wheat, potatoes, barley.
Calif.	6,587	6,738	6,829	2,287	2,400	2,572	Grapes, hay, tomatoes, lettuce.

[1] Excludes Alaska and Hawaii.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production; Commercial Vegetables; Field Seeds;* and *Crop Values*, all annual.

No. 1012. Corn for Grain—Production, Domestic Disappearance, Exports, Imports, and Stocks: 1941 to 1971

[**In millions of bushels.** For years beginning October 1. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports]

YEARLY AVERAGE OR YEAR	Production	Domestic disappearance [1]	Exports [2]	Imports [2]	Stocks, end of year
1941-1945	2,653	2,730	22	2	319
1946-1950	2,808	2,596	100	1	561
1951-1955	2,814	2,620	111	1	875
1956-1960	3,442	3,045	227	1	1,643
1961-1965	3,758	3,472	522	1	1,309
1960	3,907	3,387	292	1	2,016
1965	4,084	3,705	687	1	840
1968	4,393	3,907	536	1	1,113
1969	4,583	4,086	612	1	999
1970	4,099	3,923	516	4	663
1971 (prel.)	5,540	4,304	600	1	1,300

[1] Total disappearance, minus exports of corn and grain equivalent of corn products.
[2] Compiled from reports of the U.S. Dept. of Commerce. Includes grain equivalent of corn products.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Feed Statistics*, Statistical Bulletin, No. 410, and *Feed Situation*; and Statistical Reporting Service, *Crop Production*.

No. 1013. Corn for Grain—Acreage, Production, and Value, by States: 1969 to 1971

[Pounds per bushel, 56]

STATE	ACREAGE HARVESTED			YIELD PER ACRE			PRODUCTION			PRICE [1]		FARM VALUE	
	1969	1970	1971 (prel.)	1969	1970	1971 (prel.)	1969	1970	1971 (prel.)	1970	1971 (prel.)	1970	1971 (prel.)
	1,000 acres	*1,000 acres*	*1,000 acres*	*Bu.*	*Bu.*	*Bu.*	*Mil. bu.*	*Mil. bu.*	*Mil. bu.*	*Dol. per bu.*	*Dol. per bu.*	*Mil. dol.*	*Mil. dol.*
Total	54,598	57,224	63,819	83.9	71.6	86.8	4,583	4,099	5,540	1.33	1.06	5,441	5,890
Ala	619	545	613	28.0	23.0	42.0	17	13	26	1.58	1.15	20	30
Calif	194	216	264	92.0	98.0	94.0	18	21	25	1.60	1.48	34	37
Colo	302	350	406	92.5	96.0	86.0	28	34	35	1.32	1.15	44	40
Del	170	185	200	78.0	74.0	54.0	13	14	11	1.48	1.18	20	13
Fla	358	322	353	39.0	25.0	49.0	14	8	17	1.55	1.07	12	19
Ga	1,426	1,426	1,532	33.0	31.0	56.0	47	44	86	1.61	1.15	71	99
Ill	9,698	9,940	10,170	98.0	74.0	102.0	950	736	1,037	1.37	1.06	1,008	1,100
Ind	4,742	5,027	5,509	96.0	74.0	97.0	455	372	534	1.36	1.01	506	540
Iowa	9,514	9,990	11,570	98.0	86.0	102.0	932	859	1,180	1.25	1.03	1,074	1,216
Kans	1,236	1,285	1,311	74.0	62.0	92.0	91	80	121	1.31	1.11	104	134
Ky	998	988	1,226	77.0	50.0	77.0	77	49	94	1.52	1.09	75	103
Md	479	484	500	81.0	83.0	72.0	39	40	36	1.48	1.17	59	42
Mich	1,266	1,444	1,700	74.0	79.0	68.0	94	114	116	1.32	1.00	151	116
Minn	4,139	4,594	5,725	85.0	85.0	83.0	352	390	475	1.18	.98	461	466
Miss	318	248	272	31.0	28.0	39.0	10	7	11	1.56	1.24	11	13
Mo	2,603	2,837	3,092	70.0	61.0	88.0	182	173	272	1.40	1.09	242	297
Nebr	4,620	4,805	5,356	93.0	75.0	85.0	430	360	455	1.25	1.10	450	501
N.Y	247	279	316	75.0	79.0	78.0	19	22	25	1.47	1.13	32	28
N.C	1,281	1,400	1,520	68.0	50.0	57.0	87	70	87	1.55	1.14	109	99
Ohio	2,740	3,014	3,526	85.0	77.0	89.0	233	232	314	1.36	1.04	316	326
Pa	907	943	1,036	84.0	85.0	75.0	76	80	78	1.51	1.28	121	99
S.C	402	402	454	47.0	27.0	54.0	19	11	25	1.58	1.20	17	29
S. Dak	2,447	2,496	2,679	57.0	41.0	46.0	139	102	123	1.21	1.04	124	128
Tenn	605	569	675	46.0	40.0	55.0	28	23	37	1.55	1.17	35	43
Tex	571	536	552	44.0	62.0	78.0	25	33	43	1.42	1.34	47	58
Va	432	458	461	77.0	68.0	68.0	33	31	31	1.50	1.22	47	38
Wis	1,684	1,794	2,099	83.0	80.0	97.0	140	144	204	1.37	1.11	197	226
Other	600	647	702	56.2	57.6	62.1	35	37	42	(NA)	(NA)	54	50

NA Not available.
[1] Season average price received by farmers. State prices weighted by sales to obtain U.S. prices. Includes an allowance for unredeemed loan and purchase agreement deliveries valued at average rate.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1014. Wheat—Supply and Disappearance: 1946 to 1971

[In millions of 60-pound bushels. For years beginning July 1. Excludes Alaska, Hawaii, and Puerto Rico, except exports and imports. See *Historical Statistics, Colonial Times to 1957*, series K 272-273, for stocks]

ITEM	1946-1950, avg.	1951-1955, avg.	1956-1960, avg.	1961-1965, avg.	1965	1969	1970	1971 (prel.)
Supply	**1,410**	**1,739**	**2,273**	**2,346**	**2,134**	**2,282**	**2,256**	**2,371**
Stocks, July 1, total	222	646	1,086	1,129	817	819	885	730
On farms	62	73	78	108	132	328	307	239
Interior mills, elevator and warehouse [1]	157	521	920	982	674	490	577	489
Commodity Credit Corp. [2]	4	53	88	39	11	1	1	2
New crop	1,185	1,078	1,179	1,214	1,316	1,460	1,370	1,640
Imports [3]	3	15	8	3	1	3	1	1
Disappearance	**1,128**	**966**	**1,111**	**1,392**	**1,599**	**1,397**	**1,526**	**1,400**
Food and military procurement	597	486	488	510	515	521	518	520
Seed	88	76	62	62	62	57	60	65
Feed [4] and industry	137	75	44	58	155	213	209	240
Exports and shipments [5]	306	328	517	762	867	606	739	575
Old-crop carryover	**282**	**773**	**1,162**	**954**	**535**	**885**	**730**	**971**

[1] Includes "Terminal market" and "Merchant mills."
[2] Owned or controlled by CCC in storage or in transit to ports; other CCC wheat included in other categories.
[3] Imports comprise full duty wheat, wheat imported for feed, and dutiable flour and other wheat products in terms of wheat. Compiled from reports of the U.S. Bureau of the Census.
[4] Residual figure, assumed to roughly approximate wheat used for feed.
[5] Beginning 1961, shipments included in "Food and military procurement."

Source: U.S. Dept. of Agriculture, Economic Research Service, *Wheat Situation*.

No. 1015. Wheat—Acreage, Production, and Value, by States: 1969 to 1971

[Pounds per bushel, 60]

STATE	Acreage harvested (1,000 acres)			Yield per acre (bushels)			Production (mil. bushels)			Price [1] (dol. per bu.)		Farm value (mil. dol.)	
	1969	1970	1971 (prel.)	1969	1970	1971 (prel.)	1969	1970	1971 (prel.)	1970	1971 (prel.)	1970	1971 (prel.)
Total	**47,577**	**44,141**	**48,453**	**30.7**	**31.0**	**33.8**	**1,460.2**	**1,370.2**	**1,639.5**	**1.33**	**1.32**	**1,826.1**	**2,167.7**
Ala	85	83	120	29.0	28.0	29.0	2.5	2.3	3.5	1.26	1.48	2.9	5.2
Ariz	73	150	173	62.0	69.0	68.0	4.5	10.4	11.8	1.41	1.72	14.6	20.2
Ark	301	325	306	30.0	33.0	31.5	9.0	10.7	9.6	1.23	1.44	13.2	13.9
Calif	355	535	465	34.0	41.4	42.9	12.1	22.2	20.0	1.43	1.59	31.8	31.8
Colo	2,168	2,342	2,541	21.0	28.5	27.9	45.5	66.7	70.9	1.19	1.19	79.4	84.4
Fla	43	38	67	28.0	29.0	30.0	1.2	1.1	2.0	1.25	1.45	1.4	2.9
Ga	86	100	215	34.0	36.0	38.0	2.9	3.6	8.2	1.29	1.45	4.6	11.8
Idaho	1,051	929	987	45.7	46.0	51.3	48.0	42.7	50.6	1.38	1.33	59.0	67.1
Ill	1,273	993	983	37.0	36.0	44.0	47.1	35.7	43.3	1.30	1.40	46.5	60.6
Ind	870	774	735	39.0	38.5	45.0	33.9	29.8	33.1	1.30	1.33	38.7	44.0
Kans	9,849	9,061	9,061	31.0	33.0	34.5	305.3	299.0	312.6	1.25	1.30	373.8	406.4
Ky	183	170	190	34.0	36.0	40.0	6.2	6.1	7.6	1.31	1.46	8.0	11.1
Md	117	113	110	39.0	37.0	40.0	4.6	4.2	4.4	1.30	1.46	5.4	6.4
Mich	628	565	570	40.0	39.0	36.0	25.1	22.0	20.5	1.40	1.35	30.8	27.7
Minn	828	830	1,508	29.4	27.6	37.8	24.3	22.9	57.0	1.59	1.38	36.4	78.6
Miss	125	145	171	31.0	34.0	30.0	3.9	4.9	5.1	1.27	1.50	6.3	7.7
Mo	1,035	932	848	32.0	33.5	40.5	33.1	31.2	34.3	1.26	1.40	39.3	48.1
Mont	3,645	3,383	4,314	26.6	25.2	26.0	96.8	85.2	112.0	1.31	1.22	111.4	136.7
Nebr	2,780	2,558	2,558	31.5	38.0	42.0	87.6	97.2	107.4	1.22	1.25	118.6	134.3
N. Mex	159	184	160	27.0	28.0	25.0	4.3	5.2	4.0	1.35	1.40	7.0	5.6
N.Y	182	153	130	40.0	43.0	40.0	7.3	6.6	5.2	1.36	1.34	8.9	7.0
N.C	198	198	270	42.0	43.0	43.0	8.3	8.5	11.6	1.33	1.46	11.3	17.0
N. Dak	6,782	6,486	8,982	30.3	23.6	31.8	205.5	152.8	285.2	1.45	1.26	221.6	359.6
Ohio	1,067	971	981	37.0	37.0	43.5	39.5	35.9	42.7	1.41	1.35	50.7	57.6
Okla	4,150	3,777	3,475	28.5	26.0	20.0	118.3	98.2	69.5	1.33	1.42	130.6	98.7
Oreg	788	682	768	38.1	40.6	44.9	30.0	27.7	34.5	1.46	1.41	40.4	48.6
Pa	327	298	286	35.5	33.0	36.0	11.6	9.8	10.3	1.42	1.49	14.0	15.3
S.C	82	81	126	37.0	35.0	40.0	3.0	2.8	5.0	1.31	1.45	3.7	7.3
S. Dak	1,963	1,811	2,288	21.9	21.7	30.1	42.9	39.3	68.8	1.44	1.32	56.6	90.8
Tenn	224	217	250	32.0	34.0	35.0	7.2	7.4	8.8	1.34	1.47	9.9	12.9
Tex	2,869	2,267	1,496	24.0	24.0	21.0	68.9	54.4	31.4	1.30	1.46	70.7	45.9
Utah	229	207	202	26.5	28.9	31.1	6.1	6.0	6.3	1.40	1.38	8.4	8.7
Va	157	165	190	43.0	44.0	44.0	6.8	7.3	8.4	1.35	1.42	9.8	11.9
Wash	2,462	2,203	2,489	38.7	44.1	47.8	95.2	97.1	118.9	1.48	1.37	143.7	162.9
Wyo	242	221	230	20.2	28.3	32.1	4.9	6.3	7.4	1.17	1.14	7.3	8.4
Other	201	194	208	33.9	36.4	36.7	6.8	7.0	7.6	(NA)	(NA)	9.4	10.7

NA Not available. [1] See footnote 1, table 1013.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1016. Rice, Rough Equivalent—Summary: 1952 to 1971

ITEM	1952–1956	1957–1961	1962–1966	1960	1965	1968	1969	1970	1971
Production	54,116	50,026	74,156	54,591	76,281	104,075	90,838	83,754	84,315
Domestic disappearance [1]	25,899	27,107	30,113	26,920	30,846	35,649	33,101	34,271	35,200
Exports [1 2]	23,665	25,185	42,951	29,474	43,315	[3] 56,053	[3] 56,854	[3] 46,500	(NA)
Imports [1 2]	282	373	243	288	680	10	221	1,446	(NA)
Stocks, end of year	18,067	12,278	7,939	10,080	8,239	16,210	16,446	18,630	(NA)

NA Not available. [1] Includes Puerto Rico. [2] Compiled from reports of the U.S. Dept. of Commerce.
[3] Adjusted on basis of bills of lading presented to the U.S. Dept. of Agriculture for payment.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Rice Situation*, quarterly.

No. 1017. Irish Potatoes—Acreage, Production, and Value, by States: 1969 to 1971

[Excludes Alaska and Hawaii. 1971 preliminary]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (cwt.)			PRODUCTION (mil. cwt.)			PRICE [1] (dol. per cwt.)		FARM VALUE (mil. dol.)	
	1969	1970	1971	1969	1970	1971	1969	1970	1971	1970	1971	1970	1971
Total	**1,413**	**1,420**	**1,380**	**221**	**229**	**229**	**312**	**326**	**316**	**2.21**	**2.00**	**712**	**626**
Calif	92	88	83	317	340	320	29	30	26	2.92	2.17	87	58
Fla	40	37	36	180	162	134	7	6	5	3.88	3.99	23	19
Idaho	317	327	319	220	228	238	70	75	76	1.93	1.79	144	136
Maine	156	150	145	225	238	260	35	36	38	1.98	1.85	71	70
Mich	40	40	40	223	246	207	9	10	8	2.72	2.53	27	21
Minn	98	96	98	158	140	172	15	13	17	1.83	1.44	24	24
N.Y	69	64	66	247	264	230	17	17	15	2.60	2.58	44	39
N. Dak	113	116	119	143	150	155	16	17	18	1.67	1.43	29	26
Oreg	50	55	49	271	281	286	13	15	14	1.78	1.89	27	26
Pa	36	35	36	220	240	230	8	8	8	2.65	2.70	22	22
Wash	72	87	78	416	386	386	30	34	30	1.51	1.40	51	42
Wis	53	52	52	234	251	256	12	13	13	2.42	2.17	32	29
Other	279	273	259	225	190	197	51	52	51	(NA)	(NA)	131	114

NA Not available.
[1] Season average price received by farmers. State prices weighted by sales to obtain U.S. prices.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1018. Cotton—Summary: 1951 to 1971

[**In thousands of bales, except price.** For years ending July 31, except as noted. Excludes linters. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. Production figures relate to crop of preceding calendar year and are compiled from reports of individual ginners. Price per pound is average price received by growers. For stocks, see *Historical Statistics, Colonial Times to 1957*, series K 304]

YEARLY AVERAGE OR YEAR	PRODUCTION		Average price per pound of upland cotton [1] (cents)	Consumption [2] (running bales)	Net exports of domestic cotton (running bales)	Net imports (equivalent 500-pound bales)	Carry-over (running bales)
	Running bales (counting round as half bales)	Equivalent 500-pound bales, gross weight					
1951–1955	13,997	14,093	35.2	9,339	3,977	152	6,321
1956–1960	12,905	13,013	31.8	8,708	5,100	137	10,207
1961–1965	14,779	14,795	31.0	8,688	4,924	142	10,589
1960	14,515	14,558	30.2	9,017	7,182	136	7,559
1965	[1] 14,933	[1] 14,973	28.0	9,171	4,060	118	14,291
1966	[1] 9,562	[1] 9,575	20.6	9,497	3,000	120	16,862
1967	[1] 7,439	[1] 7,458	25.4	9,485	4,669	105	12,533
1968	[1] 10,917	[1] 10,948	22.0	8,982	4,206	145	6,448
1969	[1] 9,937	[1] 9,990	20.9	8,215	2,731	66	6,521
1970	[3] 10,112	[3] 10,192	21.9	7,964	2,769	50	5,760
1971 (prel.)	[3] 10,230	[3] 10,468	28.0	8,068	3,740	36	4,252

[1] Data from U.S. Dept. of Agriculture, Statistical Reporting Service. [2] Adjusted to cotton season.
[3] Equivalent 480-pound bales, gross weight.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Cotton Production and Distribution*, through 1964, annual; thereafter, *Current Industrial Reports*, series M22P, and *Cotton Ginnings*, series A10.

No. 1019. Cotton and Cottonseed—Acreage, Production, and Value, by States: 1969 to 1971

[Cotton production excludes linters. Values shown are for marketing season or crop year and should not be confused with calendar year income]

Year and state	Cotton: Acres harvested	Cotton: Bales (480 pounds net wt.)	Cotton: Farm value	Cotton: Yield per acre	Cotton: Farm price per pound[1]	Cottonseed: Quantity[2]	Cottonseed: Farm value	Cottonseed: Farm price per ton	Total farm value
						1,000 short tons			
	1,000	1,000	$1,000	Lb.	Cents		$1,000	Dollars	$1,000
Total:									
1969	11,055	9,990	1,054,981	434	21.1	4,068	172,030	41.10	1,227,011
1970	11,160	10,166	1,118,934	437	22.0	4,093	230,984	56.50	1,349,918
1971 (prel.)	11,463	10,548	1,427,346	442	28.2	4,381	252,168	57.60	1,679,514
Alabama:									
1969	545	460	48,617	405	21.1	181	7,678	40.20	56,295
1970	538	507	55,863	453	22.0	207	10,516	50.80	66,379
1971 (prel.)	555	630	86,184	545	28.5	261	13,311	51.00	99,495
Arizona:									
1969	310	632	70,886	979	22.4	253	10,467	39.80	81,353
1970	274	490	58,375	859	23.8	200	12,000	60.00	70,375
1971 (prel.)	285	505	74,856	849	30.9	210	12,600	60.00	87,456
Arkansas:									
1969	1,055	1,137	124,629	518	21.9	462	20,082	42.10	144,711
1970	1,070	1,048	116,899	470	22.3	428	24,524	57.30	141,423
1971 (prel.)	1,140	1,220	161,040	514	27.5	509	28,759	56.50	189,799
California:									
1969	701	1,312	152,861	898	23.3	540	21,300	37.70	174,161
1970	662	1,160	141,167	841	24.3	499	33,383	66.90	174,550
1971 (prel.)	742	1,121	169,536	726	31.5	484	31,460	65.00	200,996
Georgia:									
1969	385	282	27,837	351	19.7	107	4,586	39.20	32,423
1970	380	292	31,653	368	21.7	121	5,760	47.60	37,413
1971 (prel.)	385	360	48,384	449	28.0	150	7,575	50.50	55,959
Louisiana:									
1969	420	482	54,377	551	22.5	195	8,280	41.40	62,657
1970	450	521	57,649	555	22.1	205	11,091	54.10	68,740
1971 (prel.)	500	575	78,660	552	28.5	236	13,216	56.00	91,876
Mississippi:									
1969	1,185	1,319	146,555	534	22.2	530	23,717	43.20	170,272
1970	1,190	1,600	175,995	645	21.9	627	35,363	56.40	211,358
1971 (prel.)	1,325	1,675	225,120	607	28.0	687	39,846	58.00	264,966
Missouri:									
1969	292	325	35,740	533	22.0	132	5,247	38.30	40,987
1970	250	224	25,223	431	22.4	95	4,522	47.60	29,745
1971 (prel.)	310	405	52,488	627	27.0	172	9,374	54.50	61,862
New Mexico:									
1969	146	157	19,886	517	25.3	64	2,912	45.50	22,798
1970	141	143	17,867	486	25.0	54	3,294	61.00	21,161
1971 (prel.)	149	145	22,104	468	31.8	58	3,654	63.00	25,758
North Carolina:									
1969	166	99	10,836	287	21.8	41	1,669	40.70	12,505
1970	160	155	17,468	464	22.5	65	3,315	51.00	20,783
1971 (prel.)	175	130	18,096	357	29.0	54	2,592	48.00	20,688
Oklahoma:									
1969	465	279	26,380	288	18.9	113	5,300	45.30	31,680
1970	450	193	19,284	206	20.0	79	4,598	58.20	23,882
1971 (prel.)	396	180	23,760	218	27.5	75	4,425	59.00	28,185
South Carolina:									
1969	287	205	21,881	342	21.3	85	3,434	40.40	25,315
1970	290	211	23,664	349	22.4	87	4,420	50.80	28,084
1071 (prel.)	320	270	37,584	405	29.0	113	5,933	52.50	43,517
Tennessee:									
1969	400	421	45,047	505	21.3	166	7,058	40.10	52,105
1970	390	392	43,379	483	22.1	160	8,608	53.80	51,987
1971 (prel.)	425	530	69,960	599	27.5	220	12,100	55.00	82,060
Texas:									
1969	4,675	2,859	267,207	294	18.7	1,190	49,951	41.80	317,158
1970	4,896	3,214	332,615	315	20.7	1,259	69,245	55.00	401,860
1971 (prel.)	4,735	2,782	356,866	282	26.7	1,143	66,866	58.50	423,732
Other states:									
1969	23	21	2,242	438	21.5	9	348	39.80	2,590
1970	19	16	1,833	416	22.8	7	345	50.80	2,178
1971 (prel.)	21	20	2,708	461	28.5	9	457	51.30	3,165

[1] Includes allowance for unredeemed loans in 1969 and 1970. For 1971, average price to Jan. 1, 1972 with no allowance for unredeemed loans. [2] Based on 1968–70 average of lint to cottonseed.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1020. Tobacco—Production, Domestic Disappearance, Exports, Imports, and Stocks: 1941 to 1971

[In millions of pounds. Flue-cured and cigar wrapper, crop year, July-June; all other types, October-September. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. Farm-sales-weight basis]

ITEM	1941-1945, avg.	1946-1950, avg.	1951-1955, avg.	1956-1960, avg.	1961-1965, avg.	1965	1969	1970	1971
Production	1,604	2,080	2,217	1,864	2,161	1,855	1,804	1,908	1,741
Domestic disappearance [1]	1,283	1,411	1,471	1,408	1,468	1,462	1,309	1,278	(NA)
Exports [2]	432	531	552	538	563	538	640	639	(NA)
Imports [2]	75	87	106	139	170	183	210	219	249
Stocks, end of marketing year	2,543	3,014	3,753	3,976	4,182	4,351	3,659	3,667	(NA)

NA Not available. [1] U.S. tobacco only. [2] Source: U.S. Bureau of the Census. Calendar year, declared weight; includes stems, trimmings, and scrap.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Tobacco Situation*.

No. 1021. Tobacco—Acreage, Production, and Value, by States: 1969 to 1971

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (pounds)			PRODUCTION (mil. lb.)			PRICE [1] (ct. per lb.)		FARM VALUE (mil. dol.)	
	1969	1970	1971	1969	1970	1971	1969	1970	1971	1970	1971	1970	1971
Total	**920**	**899**	**840**	**1,961**	**2,121**	**2,034**	**1,804**	**1,908**	**1,709**	**72.8**	**78.1**	**1,390**	**1,342**
Mass	2	2	2	1,371	1,605	1,788	3	4	3	331.3	330.6	12	9
Conn	6	6	5	1,295	1,574	1,655	7	9	8	315.0	311.9	27	23
Pa	20	18	17	1,875	1,775	1,600	38	32	27	31.0	36.0	10	10
Ohio	9	8	9	2,406	2,496	1,984	22	21	17	67.3	73.0	14	12
Ind	6	5	5	2,500	2,700	2,235	15	15	12	71.4	80.0	10	10
Md	28	27	28	1,000	1,090	1,060	28	29	30	78.6	[2] 83.2	23	25
Va	73	68	67	1,844	1,843	1,759	135	126	118	69.5	76.3	87	90
N.C	386	391	346	1,853	2,085	2,102	716	816	727	71.7	77.5	585	564
S.C	69	68	63	1,995	2,090	2,115	137	141	133	71.9	75.8	101	101
Ga	61	67	60	1,615	1,997	1,931	98	133	115	76.7	79.1	102	91
Fla	16	15	13	1,663	1,928	1,949	26	29	26	104.7	105.7	30	26
Ky	173	157	159	2,519	2,622	2,238	437	412	356	70.7	78.1	291	281
Tenn	59	54	52	2,042	2,123	2,040	121	114	106	69.6	74.6	80	80
Other	12	13	13	1,866	2,106	2,061	23	28	31	57.4	59.7	16	20

[1] Season average price received by farmers. State prices weighted by sales to obtain U.S. prices.
[2] Average of auction sales through May 8, 1972.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1022. Sugar, Beet and Cane—Quotas and Supply: 1950 to 1971

[In thousands of short tons, raw value, except per capita consumption in pounds, refined]

ITEM	1950	1955	1960	1965	1968	1969	1970	1971 (prel.)
Quota charges by supplying areas [1]	8,274	8,402	9,526	9,920	10,951	10,773	11,552	11,300
United States	3,412	3,349	3,629	5,261	5,481	5,545	6,023	5,786
Beet	1,749	1,797	2,165	3,025	3,085	3,216	3,569	3,443
Mainland cane	518	500	619	1,099	1,204	1,169	1,308	1,256
Hawaii	1,145	1,052	845	1,137	1,192	1,160	1,146	1,087
Puerto Rico and Virgin Islands	1,064	1,090	903	834	504	342	352	143
Foreign areas	3,798	3,963	4,994	3,825	4,966	4,886	5,177	5,371
Production	2,466	2,386	3,076	4,152	4,395	4,300	4,712	4,588
Visible stocks, beginning of period	1,759	1,930	2,005	2,700	2,873	2,961	2,799	2,792
Receipts from foreign sources	3,783	4,027	4,885	4,027	5,130	4,886	5,177	5,371
Receipts from offshore domestic areas	2,173	2,155	1,748	1,972	1,699	1,502	1,498	1,230
Domestic disappearance, total	8,282	8,443	9,336	10,151	11,089	10,804	11,459	11,444
Per capita consumption [2]	100.6	96.3	97.6	96.6	100.1	100.1	102.5	102.0

[1] Sugar quotas govern the supply of sugar from all sources, foreign and domestic, available to the conterminous United States. The formulas for allocating the quotas among the supplying areas are established by Congress: the size of the quotas is determined by the Secretary of Agriculture.
[2] Adjusted for changes in invisible stocks (estimated) held by manufacturers, wholesalers, and retailers.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Agricultural Statistics*, annual; and U.S. Agricultural Stabilization and Conservation Service, *Sugar Reports*, monthly.

No. 1023. Sugar, Beet and Cane—U.S. and World Production: 1950 to 1971

[In thousands of short tons, raw value. Covers centrifugal only]

Yearly average or crop year	Total	United States			Puerto Rico and Virgin Islands, cane	World	
		Beet	Cane			Total	Percent U.S.
			La. and Fla.	Hawaii			
1950–1954	4,624	1,784	566	1,031	1,243	39,141	11.8
1955–1959	4,720	2,088	572	1,013	1,047	49,673	9.5
1960–1964	5,810	2,777	935	1,086	1,012	60,742	9.6
1960	5,133	2,450	630	936	1,117	60,050	8.5
1965	6,103	2,894	1,104	1,218	887	69,293	8.8
1969	6,044	3,330	1,072	1,182	460	79,671	7.6
1970	5,949	3,209	1,254	1,162	324	78,689	7.6
1971 (prel.)	6,251	3,500	1,221	1,230	300	79,809	7.8

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, in *Agricultural Statistics*, annual; and U.S Agricultural Stabilization and Conservation Service, *Sugar Reports*, monthly.

No. 1024. Sugarcane, Cane Sugar, and Molasses—Acreage, Production, and Value: 1950 to 1971

[Prior to 1960 and as noted, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 295–297]

Year	Sugarcane for sugar and seed					Sugar produced			Molasses made	
	Acreage harvested	Yield per acre [1]	Production	Price per ton [2,3]	Farm value [3]	Raw value [4]	Equivalent refined [5]	Per ton of cane, raw value [4]	Total, excl. sirup	Blackstrap (80° Brix)
	1,000 acres	*Short tons*	*1,000 sh. tons*	*Dollars*	*Mil. dol.*	*1,000 sh. tons*	*1,000 sh. tons*	*Pounds*	*Mil. gallons*	*Mil. gallons*
1950	334	20.8	6,944	7.80	54	564	527	174	49	45
1955	284	25.5	7,248	6.50	47	574	536	168	53	49
1960	437	37.7	16,468	7.41	57	1,566	1,464	199	101	98
1965	617	38.4	23,663	7.90	110	2,322	2,170	204	146	143
1969	536	42.2	22,615	9.94	115	2,254	2,107	208	134	132
1970	584	41.1	23,996	10.50	140	2,416	2,258	210	141	139
1971	654	38.2	25,019	11.15	149	2,452	2,291	204	146	144

[1] Growth of 9 months in Louisiana and 12 months in Florida.
[2] Season average price received by farmers. Prices exclude Government payments under the Sugar Act, except in 1945. [3] Excludes Hawaii. [4] Raw value equals 96° raw sugar as defined in Sugar Act of 1948.
[5] Calculated on basis of 100 pounds of raw sugar required to produce 93.46 pounds of refined sugar.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Agricultural Statistics*, annual.

No. 1025. Fruits—Production and Value, 1970 and 1971, and Leading States, 1971

[See *Historical Statistics, Colonial Times to 1957*, series K 316–328, for production and prices]

Crop	Production [1]				Farm value (mil. dol.)	
	Unit	1970	1971 (prel.)		1970	1971 (prel.)
			Total	Leading States		
Apples (34 States) [2]	Mil. lb	6,294	6,127	Wash., N.Y	283	308
Peaches	Mil. lb	3,011	2,894	Calif., S.C	176	173
Pears	1,000 tons	537	688	Calif., Oreg	70	62
Grapes	1,000 tons	3,119	3,972	Calif	296	372
Cherries, sweet	1,000 tons	122	139	Oreg., Wash	43	45
Cherries, tart	1,000 tons	119	139	Mich	18	28
Plums	1,000 tons	123	101	Calif	20	23
Prunes (dried basis)	1,000 tons	200	131	Calif	40	31
Oranges and tangerines (4 States)	1,000 boxes [3]	189,640	195,550	Fla	403	462
Grapefruit (4 States)	1,000 boxes [4]	53,910	60,680	Fla	121	137
Lemons (2 States) [5]	1,000 boxes [6]	15,120	16,450	Calif	73	86

[1] Excludes quantities not harvested or not marketed on account of economic conditions.
[2] Production in commercial orchards with 100 or more bearing age trees.
[3] Net content of box varies. In California and Arizona, approximate average for oranges and tangerines is 75 pounds; in other States, oranges 90 pounds; and Florida tangerines, 95 pounds.
[4] Approximate average, net weight, is 65 pounds in Arizona and California, 85 in Florida, and 80 in Texas.
[5] Includes estimates for Arizona. [6] About 76 pounds net.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1026. Commercial Vegetable and Other Specified Crops—Acreage, Production, and Value, 1970 and 1971, and Leading States, 1971

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income]

Crop	Acreage [1] (1,000 acres)			Production [2] (1,000 short tons)			Value [3] ($1,000)	
	1970	1971 (prel.)		1970	1971 (prel.)		1970	1971 (prel.)
		Total	Leading States		Total	Leading States		
Artichokes	11.0	11.0	Calif.	33.6	39.6	Calif.	6,920	7,697
Asparagus	120.0	119.2	Calif., Wash.	139.1	137.8	Calif., Wash.	55,445	63,608
Beans, lima [4]	70.6	71.1	Calif., Del.	78.8	79.3	Calif., Del.	14,491	14,645
Beans, snap	314.7	326.2	N.Y., Wis.	727.6	751.1	Wis., Oreg.	95,622	100,007
Beets	15.0	13.6	Wis., N.Y.	205.7	189.1	N.Y., Wis.	4,379	4,040
Broccoli	40.3	42.6	Calif., Oreg.	155.2	161.2	Calif., Oreg.	30,188	35,035
Brussels sprouts	6.0	6.1	Calif., N.Y.	29.4	31.4	Calif., N.Y.	7,929	8,071
Cabbage	108.4	108.3	Tex., Fla.	1,194.1	1,194.0	N.Y., Fla.	81,966	72,784
Cantaloups	111.8	101.7	Calif., Tex.	668.4	622.5	Calif., Ariz.	82,444	81,623
Carrots	78.8	72.1	Calif., Tex.	924.9	928.1	Calif., Tex.	68,246	92,967
Cauliflower	24.0	24.8	Calif., N.Y.	114.0	125.7	Calif., N.Y.	22,092	26,576
Celery	32.0	33.4	Calif., Fla.	763.6	803.7	Calif., Fla.	85,657	77,964
Corn, sweet	599.4	604.3	Wis., Minn.	2,523.6	2,658.2	Wis., Minn.	113,395	121,372
Cucumbers	182.7	175.3	N.C., Mich.	819.8	776.8	N.C., Calif.	84,779	85,388
Eggplant	3.4	3.1	Fla., N.J.	25.1	24.3	Fla., N.J.	3,966	4,562
Escarole	8.7	8.8	Fla., N.J.	55.1	57.3	Fla., N.J.	7,854	10,149
Garlic	5.6	3.7	Calif.	36.4	25.9	Calif.	6,111	4,798
Honeydew melons	13.2	12.3	Calif., Tex.	96.6	97.9	Calif., Tex.	10,936	13,206
Lettuce	234.4	218.4	Calif., Ariz.	2,308.2	2,312.9	Calif., Ariz.	222,932	273,129
Mint for oil	109.6	93.6	Oreg., Wash.	3.5	2.7	Oreg., Wash.	28,014	21,449
Onions	101.8	99.8	Calif., Tex.	1,528.9	1,492.7	Calif., Tex.	99,322	104,766
Peas, green [5]	383.9	382.9	Wis., Minn.	476.3	520.4	Wis., Wash.	51,888	55,826
Peppers, green	49.3	50.4	Fla., N.C., N.J.	193.8	205.8	Calif., Fla.	44,873	52,326
Spinach	36.8	39.3	Calif., Tex.	181.4	194.2	Calif., Tex.	13,442	15,805
Strawberries	53.4	50.7	Oreg., Calif.	247.4	258.6	Calif., Oreg.	106,264	115,884
Tomatoes	395.5	395.5	Calif., Fla.	5,979.8	6,437.4	Calif., Ohio	378,416	444,172
Watermelons	270.0	257.2	Tex., Fla.	1,376.4	1,363.4	Fla., Tex.	57,093	68,275

[1] Acreage of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other economic factors, plus acreage harvested for processing.
[2] Includes some quantities not marketed and excluded in computing value.
[3] Fresh market vegetables valued at f.o.b. shipping point, except garlic which is field run basis at packinghouse door. Processing vegetables are equivalent returns at packinghouse door.
[4] Shelled basis; 2 pounds of lima beans in the shell produce approximately 1 pound of shelled beans.
[5] Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Commercial Vegetables*, annual.

No. 1027. Fats and Oils—Supply, Disposition, and Utilization: 1940 to 1971

[**In millions of pounds.** Prior to 1960, excludes Alaska and Hawaii, except that exports and imports include Alaska, Hawaii, and Puerto Rico for all years. Includes fat content of butter]

Item	1940	1950	1955	1960	1965	1969	1970	1971
Total supply	12,212	15,554	17,684	20,752	24,442	26,247	28,757	29,378
Production from domestic materials [1]	8,350	12,056	14,364	17,353	20,532	22,431	25,152	25,555
Imports and production from imported mtl.	1,651	1,320	1,056	1,074	1,189	1,411	1,369	1,474
Stocks, Jan. 1 [2]	2,211	2,178	2,264	2,325	2,721	2,405	2,236	2,349
Disposition;								
Exports [1] [3]	423	2,045	4,102	5,965	7,481	7,613	10,141	10,549
Domestic disappearance [4]	9,298	11,523	11,600	12,649	14,538	16,393	16,267	16,336
Food uses [5]	6,143	7,016	7,658	8,241	9,524	10,789	11,169	11,036
Butter (fat content)	1,806	1,327	1,237	1,112	1,040	908	890	859
Lard (direct)	1,901	1,906	1,642	1,361	1,226	1,012	940	888
Shortening	1,196	1,705	1,988	2,302	2,768	3,505	3,599	3,479
Margarine	257	764	1,075	1,367	1,535	1,744	1,794	1,831
Other	982	1,314	1,717	2,094	2,955	3,620	3,945	3,979
Nonfood uses [5]	3,121	4,271	3,955	4,419	4,962	5,256	5,421	5,309

[1] Includes oil equivalent of cottonseed, soybeans, peanuts, and flaxseed exported for crushing abroad.
[2] Beginning 1950, excludes Government strategic stockpiling of coconut, palm, castor, and sperm oils.
[3] Includes commercial exports, voluntary or civilian relief, reexports, shipments to Puerto Rico, American Samoa, Guam, and Virgin Islands. [4] Beginning 1950, includes Government stockpiling.
[5] Domestic. Not adjusted for trade and change in stocks of shortening, margarine, soap, and secondaries.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Fats and Oils Situation*; and Statistical Reporting Service. In *Agricultural Statistics*, annual.

No. 1028. Canned Foods—Production: 1950 to 1971

[In millions of standard cases of 24 No. 303 cans, except as noted. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1957*, series P 190–191, for canned corn and tomatoes]

PRODUCT	1950	1955	1960	1965	1966	1967	1968	1969	1970	1971
Fruits [1]	75.4	91.4	101.5	106.9	115.6	96.3	116.7	123.4	104.2	(NA)
Apples	4.9	[2] 3.3	[2] 3.1	[2] 4.1	[2] 3.2	[2] 3.4	[2] 3.3	[2] 3.1	[2] 2.3	[2] 2.6
Applesauce	8.3	[2] 8.3	[2] 11.8	[2] 15.9	[2] 11.5	[2] 13.9	[2] 14.1	[2] 16.7	[2] 14.1	[2] 14.7
Apricots	3.7	5.9	6.1	5.1	5.0	4.2	4.5	5.5	3.8	3.3
Berries	1.3	1.1	0.8	0.7	0.9	1.0	0.5	0.5	0.4	0.4
Cherries, red, pitted	3.8	3.5	1.6	2.4	1.0	0.8	1.1	1.5	1.0	1.0
Cherries, sweet	0.7	1.4	0.6	0.7	0.6	0.8	0.5	0.9	0.7	0.5
Citrus salad	0.6	[2] 0.5	[2] 0.2	[2] 0.2	[2] 0.3	0.2	0.2	0.2	0.2	(NA)
Cranberry sauce [2]	2.5	3.0	2.2	3.4	3.6	3.5	3.8	3.5	3.9	3.5
Figs [3]	0.5	0.6	0.5	0.3	0.3	0.3	0.2	0.3	0.4	0.2
Fruit cocktail [3]	7.5	9.8	12.8	14.5	15.8	13.4	16.6	16.4	13.1	13.3
Fruit salad [3]	0.6	0.8	0.8	0.7	0.8	0.6	0.8	0.8	0.7	0.7
Grapefruit sections [2]	3.2	3.3	3.0	2.8	3.3	2.4	2.3	2.3	3.3	(NA)
Mixed fruits [3]	0.1	0.2	0.4	0.5	0.5	0.3	0.5	0.7	0.5	0.7
Olives [2 3]	1.8	1.8	2.8	2.5	2.9	0.9	4.5	3.9	3.0	(NA)
Peaches	16.8	23.1	30.8	30.0	36.7	26.8	35.9	37.2	29.6	25.7
Pears	6.4	8.3	8.5	6.4	11.0	5.8	10.3	10.6	8.6	10.3
Pineapple [2 4]	11.7	14.7	15.0	15.0	16.7	16.4	16.5	16.9	17.8	(NA)
Plums [5]	1.0	1.7	0.4	1.7	1.5	1.9	0.7	2.2	0.8	1.2
Juices: [2 6]										
Apple	3.4	3.4	6.2	9.6	8.9	8.7	9.4	13.3	14.1	(NA)
Grapefruit	18.3	13.8	11.0	13.8	21.0	15.8	20.5	22.1	26.0	(NA)
Orange	22.5	16.6	11.5	12.1	16.3	10.4	13.5	14.3	15.4	(NA)
Orange-grapefruit	9.4	5.4	3.2	2.9	3.7	2.2	2.6	2.4	2.5	(NA)
Pineapple [4]	15.7	16.2	14.4	15.4	15.0	15.1	14.0	15.0	13.7	(NA)
Tomato	26.2	26.9	33.0	32.8	31.9	35.1	[7] 32.9	[7] 27.6	[7] 29.5	[7] 31.5
Seasonal vegetables	151.5	167.0	177.9	207.5	207.0	235.7	254.2	215.1	213.1	(NA)
Asparagus	5.5	7.6	8.0	7.2	7.9	6.6	6.9	6.8	5.9	5.5
Beans, green and wax	25.6	28.5	33.2	45.6	40.5	53.2	51.8	47.3	47.6	50.0
Beans, lima	3.9	3.4	3.8	3.0	3.5	4.0	3.8	3.6	2.8	3.1
Beets [2]	9.9	9.2	8.8	10.0	11.4	11.8	14.6	11.3	11.3	(NA)
Carrots [2]	2.3	2.2	5.0	4.5	7.1	5.5	5.1	5.5	5.4	(NA)
Corn, sweet	22.3	29.4	35.3	39.1	45.5	49.3	59.3	49.4	47.0	53.8
Greens, leafy	2.4	3.1	2.9	2.7	2.9	3.6	2.8	3.4	3.5	4.4
Mixed vegetables	2.9	2.0	2.6	3.3	3.4	3.6	3.8	4.4	4.4	4.5
Peas, field	2.1	2.2	2.1	1.8	2.5	2.7	2.4	2.9	2.4	2.7
Peas, green	35.5	33.4	28.7	37.6	31.9	37.7	36.2	32.1	28.7	33.2
Pimientos	1.5	1.2	0.9	0.8	0.7	0.8	0.8	0.9	0.6	0.7
Pumpkin and squash	2.7	5.1	5.0	3.9	4.6	4.6	4.6	5.2	4.0	4.6
Spinach [2]	6.8	7.3	7.8	6.4	7.0	7.4	8.0	6.6	7.3	7.7
Tomatoes	25.8	30.2	31.0	36.0	32.7	39.1	48.4	32.0	39.0	38.0
Other vegetable packs [8]	2.3	2.2	2.8	5.5	5.4	5.8	5.7	3.7	3.2	3.2
Nonseasonal vegetables:										
Sauerkraut [2]	10.9	9.3	9.8	10.8	10.0	11.4	10.8	10.6	12.1	(NA)
Sweetpotatoes	5.2	6.2	6.9	11.1	10.0	9.8	10.8	12.5	9.8	(NA)
White potatoes	1.9	3.3	4.2	5.0	5.3	4.8	5.7	6.1	6.6	7.0
Catsup and chili sauce	14.2	22.4	30.0	35.6	37.4	39.4	(NA)	(NA)	(NA)	(NA)
Seafood, salmon [9]	(NA)	(NA)	(NA)	3.5	4.3	2.1	3.4	2.5	3.9	3.0

NA Not available. [1] Basis: 24 No. 2½ cans. [2] Pack beginning in year shown. [3] California only. [4] Hawaiian pack plus receipts from Puerto Rico. Beginning 1955, represents U.S. pack and foreign operations. [5] Beginning 1965, purple plums only. [6] Basis: 24 No. 2 cans. [7] Excludes combination vegetable-tomato juices. [8] Succotash, carrots and peas, okra, okra and tomatoes; and for 1965 through 1968, mushrooms. [9] Basis: 48/1 lb. cans. Includes Alaska.

Source: National Canners Association, Washington, D.C., *Canned Food Pack Statistics*.

No. 1029. Principal Frozen Foods—Production: 1950 to 1971

[In millions of pounds]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970	1971
Total	2,972	7,307	10,868	14,144	16,141	15,335	15,857	17,415	18,564
Vegetables: Total, excl. potatoes	558	1,011	1,407	1,800	2,017	2,122	1,867	1,912	2,009
Potato products	29	129	551	1,219	1,491	1,736	2,048	2,404	2,565
Fruits and berries, excl. citrus juices	472	660	660	653	642	728	678	621	666
Juices and drinks [1]	1,212	3,429	4,556	5,514	6,657	5,259	5,176	5,360	5,480
Meat	35	250	310	450	420	430	460	470	490
Poultry	411	1,000	2,000	2,231	2,154	1,947	1,942	2,160	2,142
Prepared foods	75	625	1,100	1,875	2,326	2,684	3,200	4,100	4,850
Seafoods	180	203	284	402	434	429	486	388	362

[1] Includes single strength drinks, and juices and concentrated juices and drinks reconstituted.

Source: American Frozen Food Institute, Washington, D.C., *Frozen Food Pack Statistics*. (Copyright.) Based on data from U.S. Dept. of Agriculture, and U.S. National Oceanic and Atmospheric Administration.

No. 1030. Livestock—Number on Farms and Value: 1940 to 1972

[Alaska and Hawaii excluded from census data prior to 1959 and from annual data prior to 1961. See also *Historical Statistics, Colonial Times to 1957*, series K 195–204]

Year	All cattle			Hogs and pigs			Stock sheep		
	Number (1,000 head)	Value		Number (1,000 head)	Value		Number (1,000 head)	Value	
		Total (mil. dol.)	Per head		Total (mil. dol.)	Per head		Total (mil. dol.)	Per head
CENSUS DATA [1]									
1940 (Apr. 1)	60,675	2,598	$42.82	34,037	285	$8.36	40,129	240	$5.99
1945 (Jan. 1)	82,654	5,603	67.78	46,735	988	21.14	41,224	359	8.71
1950 (Apr. 1)	76,762	9,136	119.02	55,722	1,098	19.70	31,387	555	17.69
1954 (Oct.-Nov.)	95,027	8,233	86.64	57,093	1,891	33.13	[2] 31,619	472	14.93
1959 (Oct. 1)	92,534	12,511	135.20	67,949	1,371	20.18	33,945	556	16.38
1964 (Dec.)	105,558	11,946	113.17	54,080	1,324	24.48	25,472	409	16.06
1969 (Dec. 31)	106,381	14,211	133.59	55,455	2,154	38.85	21,611	532	24.63
ANNUAL DATA (JAN. 1) [3]									
1940	68,309	2,770	40.60	61,165	476	7.78	46,266	294	6.35
1945	85,573	5,722	66.90	59,373	1,225	20.60	39,609	335	8.45
1950	77,963	9,630	124.00	58,937	1,600	27.10	26,182	466	17.80
1955	96,592	8,517	88.20	50,474	1,542	30.60	27,137	404	14.90
1960	96,236	13,150	137.00	59,026	1,092	18.50	28,849	477	16.50
1965	109,000	12,360	113.00	50,792	1,244	24.50	21,843	346	15.80
1969	109,885	17,394	158.00	60,632	1,852	30.50	18,332	403	22.00
1970	112,303	20,171	180.00	56,655	2,209	38.98	17,411	431	24.70
1971	114,470	21,130	185.00	67,449	1,576	23.37	16,968	398	23.50
1972 (prel.)	117,916	24,617	209.00	62,972	1,795	28.50	15,767	356	22.60

[1] For 1940, animals over 3 months, except hogs over 4 months and sheep over 6 months; thereafter, animals of all ages. [2] Not available for Florida, Georgia, and South Carolina.
[3] Beginning 1969, data for hogs and pigs as of Dec. 1, preceding year.

Source: Census data—U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969, United States Summary of County Reports*. Annual data—U.S. Dept. of Agriculture, Statistical Reporting Service, in *Agricultural Statistics*, annual, and annual livestock summaries.

No. 1031. Meats and Lard—Slaughtering, Production, and Trade: 1950 to 1971

[**Quantities represent carcass weight equivalent.** Excludes Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports and shipments for Lend-Lease, UNRRA and other claimants, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1957*, series K 214–225]

Item	1950	1955	1960	1965	1969	1970	1971
All meats:							
Animals slaughtered, total ... 1,000 head	121,622	137,055	135,034	130,653	136,465	137,322	146,229
Under Federal inspection ... percent	72	75	78	82	87	89	90
Production, total ... mil. lb	22,075	26,895	28,203	31,502	35,295	36,217	37,756
Federally inspected ... percent	73	75	78	82	88	89	89
Exports of U.S. production ... mil. lb	135	189	197	231	329	288	312
Imports for consumption ... mil. lb	384	406	1,048	1,347	2,202	2,387	2,317
Beef:							
Animals slaughtered, total ... 1,000 head	18,614	26,587	26,029	33,171	35,574	35,354	35,897
Under Federal inspection ... percent	70	72	75	80	86	87	88
Production, total ... mil. lb	9,534	13,569	14,728	18,699	21,126	21,651	21,870
Federally inspected ... percent	74	75	78	82	87	88	89
Exports of U.S. production ... mil. lb	21	59	55	91	82	101	117
Imports for consumption ... mil. lb	338	229	760	923	1,615	1,792	1,733
Veal:							
Animals slaughtered, total ... 1,000 head	10,501	12,864	8,615	7,788	5,010	4,204	3,821
Under Federal inspection ... percent	56	58	61	65	73	72	76
Production, total ... mil. lb	1,230	1,578	1,109	1,020	673	588	546
Federally inspected ... percent	54	57	56	56	59	57	59
Lamb and mutton:							
Animals slaughtered, total ... 1,000 head	13,244	16,553	16,240	13,300	10,923	10,802	10,967
Under Federal inspection ... percent	89	87	86	88	92	93	94
Production, total ... mil. lb	597	758	768	651	550	551	554
Federally inspected ... percent	89	87	87	88	93	93	94
Pork:							
Animals slaughtered, total ... 1,000 head	79,263	81,051	84,150	76,394	84,958	86,962	95,550
Under Federal inspection ... percent	72	76	79	83	89	90	91
Production, total [1] ... mil. lb	10,714	10,990	11,598	11,132	12,946	13,427	14,786
Federally inspected ... percent	73	76	79	84	89	90	91

[1] Comprises weight of dressed hog carcass less head bones and carcass fat rendered into lard.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Livestock and Meat Situation*.

No. 1032. Livestock on Farms—Number, by States: 1969 and 1972

[In thousands. For composition of regions, see fig. I, p. xii]

Region and State	All cattle		Milk cows		Sheep and lambs		Hogs and pigs	
	1969 (Nov.-Dec.)	1972 (Jan. 1)	1969 (Nov.-Dec.)	1972 [1] (Jan. 1)	1969 (Nov.-Dec.)	1972 (Jan. 1)	1969 (Nov.-Dec.)	1971 (Dec. 1)
United States	**106,381**	**117,916**	**11,175**	**12,279**	**21,611**	**18,482**	**55,455**	**62,972**
North	49,843	55,263	7,420	7,933	6,216	5,500	44,527	48,617
South	36,165	40,208	2,442	2,731	5,177	4,168	9,774	12,900
West	20,373	22,445	1,312	1,615	10,219	8,814	1,154	1,455
New England	**741**	**813**	**401**	**438**	**41**	**39**	**94**	**120**
Maine	127	142	57	66	14	14	7	9
New Hampshire	69	71	35	36	5	5	9	11
Vermont	324	351	187	205	7	6	4	6
Massachusetts	103	118	59	62	9	8	56	77
Rhode Island	11	12	7	7	1	1	10	9
Connecticut	107	119	57	62	5	5	8	8
Middle Atlantic	**3,481**	**3,700**	**1,622**	**1,733**	**284**	**254**	**670**	**867**
New York	1,713	1,812	898	973	105	96	79	104
New Jersey	122	125	64	64	10	9	81	123
Pennsylvania	1,646	1,763	659	696	169	150	510	640
East North Central	**12,344**	**13,383**	**3,080**	**3,306**	**1,829**	**1,558**	**16,290**	**16,889**
Ohio	1,910	2,244	424	444	747	672	2,479	2,611
Indiana	1,829	1,956	227	237	283	218	4,440	5,180
Illinois	3,194	3,400	292	286	377	305	6,995	6,600
Michigan	1,442	1,542	414	473	272	222	699	721
Wisconsin	3,969	4,241	1,723	1,866	150	141	1,677	1,777
West North Central	**33,277**	**37,367**	**2,317**	**2,456**	**4,062**	**3,649**	**27,473**	**30,741**
Minnesota	3,633	3,998	894	971	521	467	3,296	3,544
Iowa	7,021	7,773	477	465	829	735	13,439	14,853
Missouri	4,816	5,238	309	337	281	249	4,250	4,659
North Dakota	2,031	2,278	136	132	434	361	295	395
South Dakota	3,891	4,543	170	174	1,166	1,144	1,640	1,868
Nebraska	6,132	6,780	158	185	356	356	2,915	3,322
Kansas	5,753	6,757	172	192	474	337	1,639	2,100
South Atlantic	**7,350**	**8,168**	**905**	**1,036**	**495**	**366**	**4,483**	**6,056**
Delaware	27	32	12	14	2	2	48	46
Maryland	363	430	139	164	27	20	167	214
Virginia	1,422	1,460	191	216	247	162	536	713
West Virginia	455	475	50	52	189	153	60	71
North Carolina	859	1,103	143	182	17	15	1,393	1,950
South Carolina	516	687	56	65	2	1	414	696
Georgia	1,724	2,042	131	146	5	7	1,581	2,003
Florida	1,984	1,939	182	197	5	6	283	363
East South Central	**8,558**	**10,051**	**850**	**933**	**198**	**126**	**3,595**	**4,216**
Kentucky	2,592	2,916	306	334	119	78	1,251	1,439
Tennessee	2,244	2,472	274	284	60	28	1,099	1,078
Alabama	1,781	2,050	110	134	7	6	861	1,099
Mississippi	1,941	2,613	159	181	13	14	384	600
West South Central	**20,257**	**21,989**	**688**	**762**	**4,485**	**3,676**	**1,696**	**2,628**
Arkansas	1,543	1,912	88	96	9	7	247	388
Louisiana	1,417	1,807	138	167	26	22	122	295
Oklahoma	4,812	5,441	129	144	152	123	319	540
Texas	12,485	12,829	332	355	4,297	3,524	1,007	1,405
Mountain	**13,158**	**14,461**	**411**	**489**	**7,785**	**7,028**	**789**	**1,001**
Montana	2,934	3,165	37	39	1,050	1,050	217	245
Idaho	1,731	1,822	129	151	864	728	118	150
Wyoming	1,437	1,490	16	17	1,947	1,711	40	46
Colorado	3,002	3,716	75	101	1,456	1,114	238	340
New Mexico	1,499	1,441	29	33	720	742	60	57
Arizona	1,238	1,295	43	53	526	503	68	90
Utah	736	874	70	81	1,014	976	39	62
Nevada	581	658	12	14	208	204	8	11
Pacific	**7,214**	**7,984**	**901**	**1,126**	**2,433**	**1,786**	**366**	**454**
Washington	1,147	1,362	150	192	130	137	66	108
Oregon	1,353	1,593	87	103	534	517	97	121
California	4,473	4,775	649	816	1,730	1,113	150	162
Alaska	8	9	2	2	28	19	1	2
Hawaii	233	245	14	13	11	–	52	62

– Represents zero. [1] Represents cows and heifers that have calved, kept for milk.

Source: 1969 data, U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969, United States Summary of County Reports;* later data, U.S. Dept. of Agriculture, Statistical Reporting Service, annual livestock summaries.

No. 1033. Livestock—Liveweight Production and Annual Average Price Received by Farmers: 1940 to 1971

[**Production in millions of pounds; price per 100 pounds.** Prior to 1965, excludes Alaska and Hawaii, except sheep exclude Hawaii for all years. See also *Historical Statistics, Colonial Times to 1957*, series K 205-212]

Year	All cattle			Hogs		Sheep		
	Production [1]	Price, beef	Price, calves	Production [1]	Price	Production [1]	Price, sheep	Price, lambs
1940	15,702	$7.56	$8.83	17,043	$5.39	2,101	$3.95	$8.10
1950	21,185	23.30	26.30	20,214	18.00	1,336	11.60	25.10
1955	28,099	15.60	16.80	20,154	15.00	1,618	5.78	18.40
1960	28,796	20.40	22.90	19,203	15.30	1,628	5.60	17.90
1965	34,003	19.80	22.00	18,055	20.60	1,217	6.34	22.80
1967	35,932	22.30	26.30	20,634	18.90	1,143	6.35	22.10
1968	36,368	23.40	27.60	21,102	18.50	1,130	6.55	24.40
1969	37,142	26.20	31.50	20,489	22.20	1,037	8.24	27.20
1970	39,521	27.10	34.50	21,861	22.70	1,093	7.69	26.40
1971	40,625	29.00	36.30	22,928	17.50	1,039	6.58	25.90

[1] Includes adjustment for livestock shipped in and inventory changes.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, in *Agricultural Statistics*, annual, and *Meat Animals—Farm Production, Disposition, and Income, by States, 1970-1971*.

No. 1034. Dairying—Cows and Dairy Products: 1950 to 1971

[**In millions of pounds, except as indicated.** Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 226-239]

Item	1950	1955	1960	1965	1969	1970	1971 (prel.)
Cows and heifers, 2 yrs. old and over, kept for milk, Jan. 1 ... 1,000 head	23,853	23,462	19,527	16,981	14,152	12,578	12,445
Value per head ... dollars	177	134	210	188	270	301	(NA)
Milk produced on farms	116,602	122,945	123,109	124,173	116,345	117,149	118,640
Whole milk sold from farms [1]	78,140	93,632	106,013	114,547	110,352	111,874	113,785
Production of manufactured dairy products:							
Butter (inc. whey butter)	1,386	1,383	1,373	1,325	1,118	1,137	1,144
Cheese (exc. full-skim American type)	1,191	1,367	1,478	1,755	1,990	2,201	2,372
American [2]	897	1,008	1,007	1,170	1,275	1,428	1,518
Swiss (including block)	99	117	121	123	132	144	154
Munster, Brick, and Limburger	36	49	54	56	56	59	64
Cream and Neufchatel	69	80	106	123	123	126	130
Blue mold	8	10	15	19	21	23	25
All Italian varieties	60	86	158	244	361	394	453
All other varieties	23	19	21	24	24	27	29
Cottage cheese:							
Curd, pot, and bakers'	323	459	594	630	679	726	742
Creamed	352	569	770	837	910	978	1,003
Partially creamed	(NA)	(NA)	29	28	45	60	81
Condensed milk	1,057	1,078	1,273	1,442	1,342	1,293	1,291
Evaporated milk, unskimmed, unsweetened	2,882	2,580	2,177	1,693	1,399	1,218	(NA)
Dry whole milk	125	108	98	89	70	69	72
Nonfat dry milk solids [3]	899	1,386	1,844	2,013	1,467	1,456	1,429
Dry whey	156	211	277	404	516	621	679
Dry buttermilk	49	58	86	87	67	60	52
Malted milk powder	31	34	25	22	19	19	(NA)
Ice cream of all kinds ... mil. gal	554	629	700	757	766	762	768
Milk sherbet ... mil. gal	17	37	41	45	51	49	49
Ice milk ... mil. gal	37	90	145	231	275	287	287
Wholesale prices:							
Cheese, American, single daisies (Chicago) ... cents per lb	35.5	37.3	41.4	45.0	60.3	64.9	67.1
Butter, N.Y. (Grade A) ... cents per lb	62.2	58.2	59.9	61.0	68.5	70.4	69.3
Prices received by farmers:							
Milkfat in cream ... cents per lb	62.0	57.8	60.5	61.1	68.9	70.0	69.0
Whole milk:							
Wholesale, per 100 lb ... dollars	3.89	4.01	4.21	4.23	5.49	5.71	5.87
Retail ... cents per qt	18.5	20.8	21.7	22.3	25.9	27.0	27.9

NA Not available. [1] Comprises sales to plants and dealers, and retail sales by farmers direct to consumer.
[2] Includes total American, part-skim and full-skim American-type cheese.
[3] Includes dry skim milk for animal feed.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Production of Manufactured Dairy Products*, annual, and *Milk Production, Disposition, and Income*, annual; also in *Agricultural Statistics*, annual.

No. 1035. Whole Milk Sold, by States: 1964 and 1971

[Quantity in millions of pounds. For composition of regions, see fig. I, p. xii]

Region and State	Farms reporting, 1964	Quantity 1964	Quantity 1971
United States	**544,794**	**107,422**	**113,800**
North	400,886	75,821	75,778
South	110,673	17,118	20,577
West	33,235	14,484	17,445
New England	**14,450**	**4,282**	**4,321**
Maine	2,568	592	614
New Hampshire	1,555	366	349
Vermont	6,184	1,824	1,994
Massachusetts	2,166	737	650
Rhode Island	263	98	69
Connecticut	1,714	665	645
Middle Atlantic	**65,166**	**17,797**	**17,792**
New York	33,226	10,143	10,145
New Jersey	2,052	911	672
Pennsylvania	29,888	6,743	6,975
East North Central	**175,247**	**33,224**	**32,336**
Ohio	28,820	4,557	4,318
Indiana	18,567	2,643	2,400
Illinois	19,034	3,527	2,706
Michigan	25,874	5,013	4,607
Wisconsin	82,952	17,484	18,305
West North Central	**146,023**	**20,518**	**21,329**
Minnesota	58,015	9,203	9,257
Iowa	33,176	4,746	4,231
Missouri	26,953	2,591	2,853
North Dakota	3,296	477	665
South Dakota	7,640	1,027	1,350
Nebraska	7,326	1,049	1,363
Kansas	9,617	1,425	1,610
South Atlantic	**31,090**	**7,051**	**8,460**
Delaware	596	138	130
Maryland	4,385	1,444	1,533
South Atlantic—Con.			
Virginia	10,597	1,507	1,667
West Virginia	3,109	371	333
North Carolina	7,492	1,084	1,379
South Carolina	1,663	429	486
Georgia	2,537	821	1,163
Florida	711	1,256	1,769
East South Central	**61,217**	**5,283**	**6,048**
Kentucky	27,142	1,981	2,315
Tennessee	22,699	1,745	2,018
Alabama	3,615	647	760
Mississippi	7,761	911	955
West South Central	**18,366**	**4,784**	**6,069**
Arkansas	5,304	567	655
Louisiana	2,594	793	1,091
Oklahoma	4,780	968	1,178
Texas	5,688	2,456	3,145
Mountain	**17,025**	**3,763**	**4,594**
Montana	1,196	229	275
Idaho	9,378	1,258	1,483
Wyoming	523	122	118
Colorado	1,668	673	847
New Mexico	403	255	302
Arizona	340	479	608
Utah	3,376	629	827
Nevada	141	120	134
Pacific	**16,210**	**10,720**	**12,851**
Washington	5,200	1,666	2,151
Oregon	4,378	854	957
California	6,472	8,048	9,596
Alaska	85	22	16
Hawaii	75	131	131

Source: 1964 data, U.S. Bureau of the Census, *U.S. Census of Agriculture: 1964*, vol. II; 1971 data, U.S. Dept. of Agriculture, Statistical Reporting Service, *Milk Production, Disposition, and Income*, annual.

No. 1036. Poultry—Number on Farms, Value, Eggs Produced, and Prices: 1950 to 1971

[Prior to 1965, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 242-253]

Item	1950	1955	1960	1965	1967	1968	1969	1970	1971
Chickens: [1]									
Number, Jan. 1 ... mil.	457	391	369	394	429	425	420	434	[2] 435
Value, total ... mil. dol.	623	411	391	462	513	485	506	589	535
Value per head ... dol.	1.36	1.05	1.06	1.17	1.20	1.14	1.21	1.29	1.23
Number produced ... mil.	535	375	260	240	265	248	253	267	258
Production value ... mil. dol.	513	302	139	102	99	96	111	104	95
Price per lb. [3] ... cents	22.2	18.6	12.2	8.9	7.9	8.2	9.7	8.8	7.7
Eggs:									
Number produced ... mil.	58,954	59,526	61,462	65,692	70,031	69,270	69,086	70,023	[4] 71,644
Number sold ... mil.	52,188	54,015	57,818	63,636	68,473	67,932	67,914	69,250	[4] 70,646
Price per dozen [3] ... cents	36.3	39.5	36.1	33.7	31.2	34.0	40.0	37.6	[4] 31.4
Production value ... mil. dol.	1,778	1,955	1,848	1,844	1,820	1,959	2,300	2,202	[4] 2,280
Turkeys:									
Number, Jan. 1 ... 1,000	5,124	4,917	5,633	6,100	7,817	7,301	6,604	6,769	7,715
Value, total ... mil. dol.	32	26	28	27	40	34	33	37	41
Value per head ... dol.	6.34	5.33	4.89	4.40	5.13	4.65	4.95	5.50	5.30
Number produced ... mil.	44	65	84	106	126	106	106	116	120
Production value ... mil. dol.	269	329	377	424	458	413	452	497	501
Price per lb. [3] ... cents	32.9	30.2	25.4	22.2	19.7	20.5	22.4	22.6	22.1

[1] Excludes commercial broilers. [2] Jan. 1 to Dec. 1. [3] Average annual price received by farmers.
[4] Dec. 1, 1970 through Nov. 30, 1971.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service. In *Agricultural Statistics*, annual.

No. 1037. Eggs and Poultry—Production, by States: 1970 and 1971

[Eggs in millions; other figures in thousands. For composition of regions, see fig. I, p. xii]

Region and State	Eggs produced		Chickens raised		Broilers produced		Chicks hatched by commercial hatcheries		Turkeys raised	
	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971
U.S.	70,023	71,644	327,380	318,386	2,987,098	2,946,916	3,760,311	[1]3,695,425	116,003	120,085
North	29,035	30,277	129,456	124,685	(D)	(D)	512,686	402,423	(D)	(D)
South	29,377	29,371	152,262	149,016	2,629,852	2,602,145	3,001,164	2,628,568	(D)	(D)
West	11,611	11,996	45,662	44,685	(D)	(D)	246,461	204,929	(D)	(D)
N.E.	3,412	3,474	12,754	13,208	84,883	77,712	121,677	91,010	421	328
Maine	1,456	1,528	5,171	5,232	76,068	72,014	88,721	83,863	46	5
N.H.	300	312	1,243	1,230	384	182	6,276	(D)	24	24
Vt.	129	143	577	648	13	10		(D)	15	13
Mass.	521	513	1,960	1,959	1,717	725	16,597	(D)	224	192
R.I.	77	66	365	246	447	242		(D)	12	14
Conn.	929	912	3,438	3,893	6,254	4,539	10,083	7,147	100	80
M.A.	6,389	6,690	26,101	26,294	57,671	62,859	[2] 125,231	107,061	2,681	3,200
N.Y.	2,296	2,319	9,550	9,650	2,194	2,000	(D)	(D)	306	340
N.J.	774	745	3,232	2,792	1,800	650	(D)	(D)	109	105
Pa.	3,319	3,626	13,319	13,852	53,677	60,209	103,192	107,061	2,266	2,755
E.N.C.	9,445	10,160	43,565	42,993	(D)	(D)	126,730	119,573	14,476	14,458
Ohio	2,063	2,263	9,965	10,660	9,548	9,071	28,484	27,978	4,232	4,425
Ind.	2,866	3,135	13,500	13,433	13,710	9,603	53,809	51,222	4,970	4,750
Ill.	1,903	1,878	8,000	7,400	(D)	(D)	19,498	18,681	832	784
Mich.	1,413	1,499	5,700	6,100	699	1,085	(D)	(D)	953	1,001
Wis.	1,200	1,385	6,400	5,400	15,031	14,950	24,939	21,692	3,489	3,498
W.N.C.	9,789	9,953	47,036	42,190	40,268	40,402	[2] 139,048	84,779	35,554	36,934
Minn.	2,238	2,478	11,325	10,256	10,910	10,930	37,899	35,778	18,266	18,420
Iowa	2,931	2,861	11,200	9,968	2,710	2,439	(D)	(D)	6,109	6,366
Mo.	1,441	1,531	9,350	8,272	24,282	24,638	36,281	33,506	7,967	8,683
N. Dak.	217	208	1,392	1,476	–	–	(D)	(D)	1,113	1,200
S. Dak.	1,052	1,025	4,394	4,218	–	–	(D)	(D)	1,121	1,147
Nebr.	1,066	1,050	4,875	3,900	1,371	1,412	9,507	8,495	652	811
Kans.	844	800	4,500	4,100	995	983	7,786	7,000	326	307
S.A.	14,767	15,007	75,038	74,010	1,246,007	1,192,125	[2]1,450,362	1,065,758	[3]27,096	[3]28,087
Del.	126	131	735	650	135,574	125,833	(D)	(D)	115	25
Md.	331	326	1,823	1,820	187,137	180,837	(D)	(D)	45	59
Va.	1,091	1,032	5,568	4,997	69,099	71,258	79,784	86,986	4,535	5,730
W. Va.	318	316	1,200	1,300	17,439	16,169	(D)	(D)	633	495
N.C.	3,673	3,597	15,900	18,285	308,624	289,926	341,229	329,662	9,579	10,469
S.C.	1,301	1,341	5,546	5,324	27,670	28,189	32,503	30,286	2,718	2,174
Ga.	5,391	5,532	30,914	28,902	453,886	431,307	545,454	512,280	2,283	2,246
Fla.	2,536	2,732	13,352	12,732	46,578	48,606	107,334	106,544	(4)	(4)
E.S.C.	7,113	6,935	37,070	35,890	677,478	688,961	[2]1,550,802	737,220	140	90
Ky.	653	659	3,382	3,180	7,334	7,481	(D)	(D)	82	30
Tenn.	1,267	1,194	5,111	4,850	46,237	49,311	43,779	43,375	10	10
Ala.	2,719	2,765	14,200	14,200	376,112	384,347	419,745	432,756	23	23
Miss.	2,474	2,317	14,377	13,660	247,795	247,822	260,100	261,089	25	27
W.S.C.	7,497	7,429	40,154	39,116	706,367	721,059	(D)	825,590	17,257	17,990
Ark.	3,478	3,476	20,046	20,447	450,779	476,143	544,062	574,170	7,258	7,840
La.	776	757	3,500	3,600	51,099	53,934	48,754	44,515	3	2
Okla.	566	589	3,174	2,698	18,955	19,250	(D)	(D)	1,646	1,770
Tex.	2,677	2,607	13,434	12,371	185,534	171,732	218,497	206,905	8,350	8,378
Mt.	1,507	1,522	6,290	6,589	(D)	(D)	[2] 22,167	1,964	(3)	(3)
Mont.	238	257	1,106	1,178	–	–	(D)	(D)	[4] 386	[4] 195
Idaho	190	186	620	814	(D)	(D)	(D)	(D)	(4)	(4)
Wyo.	40	40	168	182	–	–	(D)	(D)	(4)	(4)
Colo.	333	355	1,803	1,720	–	–	(D)	(D)	2,856	2,787
N. Mex.	221	219	952	914	–	–	(D)	(D)	(4)	(4)
Ariz.	226	195	800	725	(D)	(D)	(D)	(D)	(4)	(4)
Utah	255	267	828	1,046	1,206	350	3,097	1,964	3,946	3,907
Nev.	4	3	13	10	–	–	(D)	(D)	–	–
Pac.	10,104	10,474	39,372	38,096	124,090	118,958	224,294	202,965	18,378	18,998
Wash.	1,041	968	4,370	3,900	21,118	14,931	33,620	24,377	615	593
Oreg.	530	561	2,154	2,734	15,200	13,000	22,250	21,330	2,178	1,604
Calif.	8,331	8,728	32,112	30,641	85,927	89,233	168,424	157,258	15,585	16,801
Alaska	5	6	26	36	–	–	–	(D)	–	–
Hawaii	197	211	710	785	1,845	1,794	(D)	(D)	–	–

– Represents zero. D Withheld to avoid disclosure. [1] Includes 459,505 not available separately by State. [2] Includes data for States that cannot be disclosed separately. [3] Mountain region included in South Atlantic to avoid disclosures. [4] Florida, Idaho, New Mexico, Arizona, and Wyoming included with Montana.

Source: U.S. Dept of Agriculture, Statistical Reporting Service. In *Agricultural Statistics*, annual.