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B / APPENDIX FOR CHAPTER 3

TABLE B-1. UNPROCESSED ANNUAL DATA ON OUTPUT, INCORPORATIONS, RESIDENTIAL CONSTRUCTION, IMMIGRATION, AND NET CAPITAL IMPORTS, 1820-1964

Year	Nonfarm Residential Construction					Rate of Alien Immigration (per 1,000 total population)	Net Capital Imports (mill. current \$) Series 9
	Industrial and Commercial Production (1899 = 100) Series 1	Gross National Product (bill. 1954 \$) Series 2	Incorporations	Production of House-keeping Dwelling Units (thous.) Series 5	Number of Dwelling Units Started (thous.) Series 6		
			Evans Series 3 (1925 = 100)	Dun and Bradstreet (units) Series 4	Gross Series 7	Net Series 8	
1820					0.87		-1
1821					0.92		-5
1822					0.67		8
1823					0.60		-2
1824					0.72		-1
1825					0.91		-7
1826					0.94		3
1827					1.58		-10
1828					2.24		11
1829					1.79		-2
1830					1.81		-8
1831					1.70		14
1832					3.52		7
1833					4.14		14
1834					4.48		19
1835					3.02		30
1836					4.94		59

1837	5.01	138	7.34	22
1838	2.39	135	7.10	3
1839	4.08	142	8.65	49
1840	4.91	-103	4.12	-31
1841	4.53	98	3.95	8
1842	5.70	90	4.88	-6
1843	3.68	72	2.84	-22
1844	4.02	70	2.77	-4
1845	5.67	76	5.18	-4
1846	7.43	57	5.55	-1
1847	10.98			-19
1848	10.29			2
1849	13.12			-3
1850	12.72			29
1851	15.75			6
1852	14.92			16
1853	14.32			56
1854	16.11			42
1855				15
1856				12
1857				17
1858				-23
1859				26
1860				-7
1861				103
1862				-1
1863				13
1864				111

(continued)

TABLE B-1 (continued)

Year	Industrial and Commercial Production (1899 = 100) Series 1	Gross National Product (bill. 1954 \$) Series 2	Incorporations		Production of House-keeping Dwelling Units (thous.) Series 5	Nonfarm Residential Construction		Rate of Alien Immigration (per 1,000 total population) Series 7	Net Capital Imports (current \$) Series 9
			Evans Series 3 (1925 = 100)	Dun and Bradstreet (units) Series 4		Number of Dwelling Units Started Series 6	Net Series 8		
1865	17		7.00		86		6.95	59	
1866	19		0.26		131		8.72	95	
1867	19		5.22		153		8.45	145	
1868	20		5.52		171		7.27	73	
1869	22		5.54		162		8.83	176	
1870	23		5.30		148		9.48	100	
1871	25		6.03		175		7.66	101	
1872	28		6.37		158		9.39	242	
1873	29		6.13		162		10.38	167	
1874	28		5.75		140		6.90	82	
1875	28		6.73		139		4.90	87	
1876	28		5.31		109		3.60	2	
1877	29		4.91		107		2.96	-57	
1878	30		4.76		84		2.84	-162	
1879	34		5.36		97		3.58	-160	

1880	39	9.81	135	9.00	30
1881	43	13.9	189	12.81	-41
1882	46	13.9	205	14.66	110
1883	48	14.4	244	10.92	51
1884	47	12.6	252	9.17	105
1885	46	12.5	273	6.85	34
1886	54	15.0	294	5.68	137
1887	60	19.4	335	8.16	231
1888	61	18.8	309	8.92	287
1889	65	22.9	354	7.11	202
1890	71	25.9	278	7.14	194
1891	74	27.1	252	8.60	136
1892	78	29.5	323	8.69	41
1893	74	24.9	226	6.46	146
1894	71	24.4	225	4.12	-66
1895	81	26.5	262	3.67	137
1896	77	23.8	218	4.79	40
1897	83	26.3	247	3.17	-23
1898	92	25.8	222	3.10	-279
1899	100	36.9	239	4.15	-229
1900	103	37.8	230	5.89	-296/-218
1901	114	50.2	330	6.29	-245
1902	126	53.1	320	8.19	-135
1903	131	56.0	347	10.63	-21
1904	129	55.5	403	9.89	-50
1905	148	63.6	507	12.24	-83
1906	162	70.6	487	12.88	68
1907	168	68.6	432	14.77	71
1908	144	57.9	416	8.82	-46
1909	177	71.5	492	8.31	59
		104.1		4.37	
				5.81	

(continued)

TABLE B-1 (concluded)

Year	Industrial and Commercial Production (1899 = 100) Series 1	Gross National Product (bill. 1954 \$) Series 2	Nonfarm Residential Construction				Rate of Alien Immigration (per 1,000 total population) Gross Series 7	Net Imports (mill. current \$) Series 9
			Incorporations		Production of House-keeping Dwelling Units (thous.) Series 5	Number of Dwelling Units Started (thous.) Series 6		
			Evans (1925 = 100) Series 3	Dun and Bradstreet (units) Series 4				
					Net Series 8			
1910	186	106.8	65.7		387	11.27	9.08	255
1911	180	109.5	67.2		395	9.36	6.21	48
1912	206	116.1	70.7		426	8.78	5.29	23
1913	215	117.0	70.9		421	12.31	9.15	87
1914	206	112.1	62.6		421		9.22	-72
1915		111.4	67.7		433		1.22	-1,129
1916		120.0	77.5		437		1.66	-2,355
1917		120.5	77.1		240		2.21	-3,886
1918		132.9	53.1		118		0.15	-4,002
1919		132.6	100.5		315		0.16	-2,712
1920		125.6	112.8		217		1.33	-1,007
1921		114.9	91.2		449		5.13	-562
1922		133.2	100.1		716		1.01	-784
1923		149.2	99.3		871		3.94	13
1924		149.0	89.9		893		5.52	-553
1925		161.8	100.0		937		1.73	-649
1926		170.8	100.3		849		1.93	-277
1927		170.5	102.8		810		2.20	-406
1928		171.8	110.0		753		1.90	-1,146
1929		181.8	111.5		509		1.73	-244

1930	164.5	99.6	330	1.55	-100
1931	153.0	98.5	254	0.28	-429
1932	130.1	95.1	134	-0.54	-195
1933	126.6	88.5	93	-0.45	-342
1934	138.5	73.7	126	-0.08	425
1935	152.9	74.5	216	-0.03	1,512
1936	173.3	75.4	304	0	1,208
1937	183.5	70.7	332	0.18	877
1938	175.1	62.6	394	0.33	441
1939	189.3	63.0	458	0.43	1,498
1940	205.8	61.8	530	0.37	1,457
1941	238.1	53.3	620	0.26	-1,031
1942	266.9	33.9	301	0.16	-92
1943	296.7	33.6	184	0.14	1,078
1944	317.9	40.8	139	0.17	377
1945	314.0	68.1	208	0.22	516
1946	282.5	138.6	662	0.64	-4,417
1947	282.3	101.1	846	0.86	-7,691
1948	293.1	86.5	914	1.02	-1,578
1949	292.7		989	1.09	-1,133
1950	318.1		1,352	1.46	491
1951	341.8		1,020	1.17	-646
1952	353.5		1,069	1.55	34
1953	369.0		1,068	0.92	560
1954	363.1		1,202	1.09	-64
1955	392.7		1,310	1.25	-67
1956	400.9		1,094	1.78	-1,815
1957	408.6		993	1.77	-3,442/-3,770
1958	401.3		1,142	1.45	-2,631
1959	428.6		1,343	1.47	1,147
1960	440.2		1,105	1.48	-2,429
1961	447.9		1,154	1.48	-2,528
1962	474.8		1,293		-1,926
1963	492.6		1,421		
1964			1,363		

1887-90	5.46	10.71	4.36
1888-91	6.24	9.32	4.83
1890-92	7.24	10.76	3.08
1891-94	-2.85	0.64	0.76
1892-95	-3.23	-8.99	0.80
1894-96	5.13	-8.82	2.51
1895-99	2.06	-3.89	-4.53
1896-1900	4.28	3.70	-6.93
1899-1903	6.38	6.30	-0.79
1900-04	3.63	3.34	18.76
1903-07	4.76	4.62	17.20
1904-08	2.46		9.28
1907-10	1.34		5.54
1908-11	5.26		-4.40
1910-13	3.88		-17.91
1911-14	0.18		-4.88
1913-20			6.92
1914-21			4.19
1920-23			4.85
1921-24			6.31
1923-26			6.54
1924-27			3.66
1926-29			2.17
1927-32			3.64
1929-37			4.67
1932-38			4.10
1937-48			
1938-49			
1948-53			
1949-54			
1953-57			
1954-58			
1957-60			
1958-61			
1960-64			
	3.84		
	4.60		
	2.77		
	1.34		
	5.26		
	3.88		
	0.18		
		3.04	
		0.78	
		1.01	
		0.35	
		5.73	
		8.61	
		4.50	
		4.48	
		2.08	
		-5.38	
		0.12	
		4.92	
		4.18	
		4.57	
		4.59	
		4.29	
		2.55	
		2.50	
		2.48	
		3.66	
		3.95	

(continued)

TABLE B-2 (continued)

Reference Cycle Dates (calendar year)	Rate of Change of Wage Rate		Rate of Change of Average Hours of Work per Week in Manufacturing		Rate of Change of Nonfarm House- holds (per 1,000 nonfarm house- holds per year) Series 13
	Money Daily Wages, Erie Canal Series 8	Real Hourly Wages, Manufacturing (1957 cents) Series 9	Jones Series 10	Bureau of Labor Stat. Series 11	
1829-34	0				
1832-36	3.84				
1834-38	4.54				
1836-39	4.44				
1838-43	-3.64				
1839-45	-4.76				
1843-46	0				
1845-47	7.69				
1846-48	7.69				
1847-53	2.22				
1848-55	1.90				
1853-56	0				
1855-58	0				
1856-60	0				
1858-61	0				
1860-64		-7.90			
1861-67		-1.32			
1864-69		6.92			
1867-70		4.84			
1869-73		3.54			
1870-78		1.44			
1873-82		1.18			
1878-85		2.41			
1882-87		3.08			
1885-88		2.49			

1887-90	2.19			
1888-91	1.61			
1890-92	0.32			
1891-94	0.92			
1892-95	0.90			
1894-96	0.83			
1895-99	1.35			
1896-1900	1.97			
1899-1903	2.45			
1900-04	1.20	-0.64		
1903-07	1.20	0		
1904-08	1.40	-1.59		
1907-10	0.39	-1.31		
1908-11	1.61	0.92		
1910-13	1.73	-0.84		2.73
1911-14	0.59	-1.05		2.83
1913-20	3.57	-0.81		2.16
1914-21	4.01	-1.44		2.21
1920-23	1.79	0.55		3.27
1921-24	2.66	0.94		3.33
1923-26	0.39	-0.76		3.00
1924-27	-0.41	0.57		2.80
1926-29	2.15	0.14		2.30
1927-32	0.69	-4.40		1.40
1929-37	3.41	-2.94		1.58
1932-38	5.09	-1.37		1.98
1937-48	2.32	0.21		2.48
1938-49	2.54	0.75		2.68
1948-53	3.27	-0.10		3.42
1949-54	2.72	-0.11		2.96
1953-57	2.68	-0.52		2.25
1954-58	2.26			2.20
1957-60	1.53			2.13
1958-61	1.98			2.15
1960-64	1.62			2.04
				0.25
				0.25
				-0.44
				-0.26
				-0.08
				0.51
				0.62

(continued)

TABLE B-2 (concluded)

Reference Cycle Dates (calendar year)	Unemployment Rates		Reference Cycle Dates 1829-1869: Calendar Yr. 1867-1913: Fiscal Yr.	Rate of Gross Alien Immigration (per 1,000 total pop- ulation per year) Series 12
	Lebergott (per cent of civilian labor force) Series 14	Bureau of Labor Stat. Series 15		
1829-34			1829-34	2.86
1832-36			1832-36	3.97
1834-38			1834-38	4.10
1836-39			1836-39	3.97
1838-43			1838-43	4.45
1839-45			1839-45	4.62
1843-46			1843-46	5.08
1845-47			1845-47	7.88
1846-48			1846-48	9.92
1847-53			1847-53	13.24
1848-55			1848-55	13.68
1853-56			1853-56	11.39
1855-58			1855-58	7.16
1856-60			1856-60	5.68
1858-61			1858-61	4.10
1860-64			1860-64	4.00
1861-67			1861-67	5.80
1864-69			1864-69	7.72
1867-70			1867-71	8.41
1869-73			1869-73	9.04
1870-78			1871-78	6.20
1873-82			1873-82	6.57
1878-85			1878-85	9.28
1882-87			1882-87	8.81
1885-88			1885-88	7.24
1887-90			1887-90	7.89
1888-91			1888-91	7.67

1890-92	4.45	1890-93	8.03
1891-94	8.87	1891-94	7.17
1892-95	12.80	1893-96	4.47
1894-96	15.05	1894-97	4.03
1895-99	12.85	1896-1900	3.94
1896-1900	10.78	1897-1901	4.47
1899-1903	3.68	1900-03	7.58
1900-04	3.15	1901-04	8.97
1903-07	2.73	1903-07	11.93
1904-08	3.09	1904-08	12.31
1907-10	5.85	1907-10	10.05
1908-11	6.15	1908-11	9.56
1910-13	5.52	1910-13	9.98
1911-14	5.57		
1913-20	5.03		
1914-21	5.28		
1920-23	7.70		
1921-24	6.50		
1923-26	4.02		
1924-27	3.57		
1926-29	3.68		
1927-32		9.21	
1929-37		17.57	
1932-38		19.87	
1937-48		7.93	
1938-49		6.86	
1948-53		4.19	
1949-54		4.07	
1953-57		4.45	
1954-58		4.78	
1957-60		5.75	
1958-61		5.95	
1960-64		5.85	

^a Per cent per year, except as noted for series 12-15.

TABLE B-3. AVERAGE GROWTH RATE OF TOTAL AND NONFARM HOUSEHOLDS AND OF TOTAL HOUSEHOLDS BY COMPONENT OF CHANGE, 1880-1964
(per cent per decade)

Period	Growth of		Contribution to Total Household Growth of		
	Nonfarm Households	Total Households	Net Migration	Aging and Mortality	Change in Headship Rates
	(1)	(2)	(3)	(4)	(5)
1880-90	31.5	24.2	8.2	18.6	—
1890-1900	22.9	22.9	5.1	18.1	-2.1
1900-10	30.8	23.7	7.1	16.2	0.8
1910-20	25.6/23.2	18.4/19.2	3.3	14.5	1.5
1920-30	27.4	20.3	2.6	15.7	1.3
1930-40	18.5	15.8	-0.3	14.7	1.1
1940-50	28.4	21.7	1.8	13.1	6.8
.....					
1950-55	25.0	18.9	1.9	10.1	6.9
1955-60	22.4	18.4	2.0	8.0	8.4
1960-64	20.4	15.6	1.9	7.8	5.9

TABLE B-4. MALE POPULATION AGED 15-29 AND 30-64, ACTUAL AND PROJECTED, 1920-85

Year	Males 15-29 (1)	Males 30-64 (2)	Col. 1 ÷ Col. 2 (3)
	<i>Actual</i>		
1920	13,739	20,607	.667
1930	15,955	24,550	.650
1940	17,442	27,664	.630
1950	17,216	31,671	.544
1955	16,772	33,781	.496
1960	17,794	35,478	.502
	<i>Projected</i>		
1965	21,074	36,339	.580
1970	25,114	37,008	.679
1975	28,657	38,645	.742
1980	30,393	41,687	.729
1985	30,851	45,505	.678

TABLE B-5. PERCENTAGE OF POPULATION AGED 25-29 AND 30-64 WITH 9-12 AND 13 OR MORE YEARS OF SCHOOL COMPLETED, ACTUAL AND PROJECTED, 1920-85

Year	With 9-12 Years of School Completed			With 13 or More Years of School Completed		
	Age		Excess of 25-29 Over 30-64	Age		Excess of 25-29 Over 30-64
	25-29	30-64		25-29	30-64	
<i>Actual</i>						
1920	24.9	17.6	7.3	9.2	6.7	2.5
1930	32.9	22.0	10.9	11.9	8.2	3.7
1940	47.3	28.3	19.0	13.2	10.3	2.9
1950	56.8	38.0	18.8	17.9	13.8	4.1
1960	59.4	46.5	12.9	23.0	17.0	6.0
<i>Projected</i>						
1965	59.1	50.2	8.9	27.2	18.7	8.5
1970	61.1	53.3	7.8	29.8	20.7	9.1
1975	61.2	56.0	5.2	31.4	23.0	8.4
1980	61.0	58.0	3.0	32.9	25.6	7.3
1985	60.9	58.9	2.0	34.6	28.4	6.2

TABLE B-6. CONTRIBUTION OF POPULATION CHANGE TO LABOR FORCE AND HOUSEHOLD GROWTH, ACTUAL AND PROJECTED, 1930-80 (per cent per decade)

Period	Contribution of Population Change to	
	Labor Force Growth (1)	Household Growth (2)
	<i>Actual</i>	
1930-40	11.7	14.4
1940-50	9.7	14.9
.....		
1950-55	7.7	12.0
1955-60	9.8	10.0
<i>Projected</i>		
1960-65	13.9	10.2
1965-70	15.5	12.4
1970-75	16.0/15.7	15.2
1975-80	14.5	16.7

TABLE B-7. AVERAGE GROWTH RATE OF LABOR FORCE AND HOUSEHOLDS DUE TO ALL SOURCES AND THAT DUE TO POPULATION GROWTH ALONE, ACTUAL AND PROJECTED, 1930-80 (per cent per decade)

Period	Labor Force Growth Due to		Household Growth Due to	
	All Sources (1)	Population Growth (2)	All Sources (3)	Population Growth (4)
		<i>Actual</i>		
1930-40	8.3	11.7	15.8	14.4
1940-50	14.2	9.7	21.7	14.9
.....				
1950-55	12.4	7.7	18.9	12.0
1955-60	11.1	9.8	18.4	10.0
1960-64	13.0	13.2	15.6	9.7
		<i>Projected</i>		
1960-65	15.4	13.9	16.7	10.2
1965-70	16.4	15.5	16.2	12.4
1970-75	16.4/17.0	16.0/15.7	17.6	15.2
1975-80	15.9	14.5	16.6	16.7

SOURCES AND METHODS

Table B-1

Series 1: [70, p. 127].

Series 2: 1900-28, [207, pp. 138-139, Table 1-16, line 5]; 1929-62, [58 (January 1964), p. 210, col. 1]; 1963, [58 (January 1965), p. 192, col. 1].

Series 3: 1860-1941, [60, p. 34]; 1942-48, NBER files.

Series 4: NBER files.

Series 5: [1, pp. 151-152, series 21a].

Series 6: [1, pp. 151-153, series 21]. Extrapolated from 1959 to 1964 by annual per cent change in [58 (January 1965), p. 234, col. 4].

Series 7: *Immigration*: [186, series C-88]. *Population*: 1820-68. [186, series A-2]; 1869-99, [102, unpublished annual estimates underlying pp. 624-626, Table R-37, col. 9]; 1900-07, [183, No. 250, p. 6], adjusted to include armed forces overseas by unpublished annual estimates underlying [102, *ibid.*, col. 8].

Series 8: *Immigration*: 1908-45, [107, p. 96, immigrants minus emigrants], extended to 1961 via [186, 187, series C-140 and C-156]. *Population*: 1908-16, 1920-29, same as for series 7 for 1900-07; 1917-19, 1930-61, [183, No. 250, p. 6, Tables 2, 3].

Series 9: 1820-1957, [186, sum of series U-185-190]; 1957-62, [190, 1963, p. 854]. For 1900 and 1957, first entry is comparable to preceding years; second entry, to later years.

Table B-2

Series 1: Preliminary unpublished annual estimates (as of April 1964) in millions of 1860 dollars by Robert E. Gallman, underlying [34, pp. 27, 34]. Non-perishable commodity output is the sum of consumers' semidurables and durables, manufactured producers' durables, and gross new construction.

Series 2: [70, p. 127].

Series 3: [99, pp. 293-294, col. 11].

Series 4: Same as for Table B-1, series 2.

Series 5: Same source as for series 1.

Series 6: [1, pp. 141-142, series 5, segment I].

Series 7: 1900-58, [1, pp. 142-145, series 2]; extrapolated from 1954-58 to 1957-60 and 1958-61 assuming change in rates between successive periods was same as that shown by [58 (January 1964), p. 210, col. 7], and, for 1960-64, [58 (January 1965), p. 192, col. 7].

Series 8: [147, p. 303].

Series 9: 1900-58, [115, pp. 150-151, col. 5]; 1959-64, col. 1 of same source was extrapolated on basis of absolute annual change in [191 (March 1966), p. 59, col. 3], and col. 4 via [58 (January 1965), p. 244, col. 1].

Series 10: [97, p. 375].

Series 11: [191 (April 1965), p. 33, col. 2].

Series 12: Same as for Table B-1, series 7.

Series 13: [186, 187, series A-243]; 1964 value from [182, No. 130, p. 1].

Series 14: 1890-99, [110, p. 522]; 1900-32, [171, p. 215].

Series 15: [191 (March 1966), p. 23].

Table B-3

For 1940 on, the procedure used to disaggregate household growth was the same as that for labor force growth (Table A-3), except that headship rather than participation rates were used. Prior to 1940 it was necessary to follow a much more approximate procedure, described below.

1880-1940. Nonfarm households: 1880-1920, total households minus farm households [184, p. 6]; 1910-40, [186, series A-243]. The break in 1910-20 reflects a shift from census levels to estimates consistent with those of the Current Population Survey.

Total households: 1880-1920, [186, series A-255]; 1910-40, [*ibid.*, series A-242].

With regard to components of change, although estimates are available for the total number of households at each census date, lack of detail by sex and age for several of the censuses prevented use of the partition technique employed for Table A-3. After some experimentation, the following procedure for approximating the components was adopted:

(a) *Contribution of aging and mortality:* For each decade the absolute change due to aging and mortality in the population of both sexes aged 25 and over was weighted by .44, and in the population 20-24 by .10, with the weights representing the approximate headship rates for these population groups. Summation of the results gave an estimate of the absolute change in households due to this population component. This was then converted to a percentage change by dividing by the average of the initial and terminal number of households for the decade.

(b) *Contribution of net migration:* Assumed the same as the contribution of net migration to the percentage change in population aged 25 and over.

(c) *Contribution of headship rate change:* Assumed the same as the change in the age-standardized proportion of males aged 14 and over married. The abso-

lute change over the decade was converted to a percentage basis by dividing by the average of the initial and terminal marriage proportions for the decade.

Estimates of the components of population change by sex and age (needed for the aging and mortality and net migration components), prepared for the University of Pennsylvania Study of Population Redistribution and Economic Growth, were kindly provided by Dr. Hope T. Eldridge. The headship rate weights of .10 and .44 are approximately those for the age groups 20-24 and 25 and over in the 1890 and 1930 censuses. The age-standardized percentage of males married was from [186, series A-216].

The rationale of the procedures is that the contribution to household growth of the two demographic components—aging and mortality and net migration—tends to conform closely to their contribution to growth of the population of household forming age. For the first component, an allowance is needed for differences among age groups in household headship. With regard to the rate component, marriage and household headship among males tend to be closely associated. Hence the movement in the former provides an approximation to the latter.

An indication of the validity of the approximation may be obtained by comparing the sum of the components estimated in this way with the actual change in households for each decade 1870-1940. The results correspond fairly closely for each period, and, of particular importance for the present purpose, the general pattern of change over time is quite similar. A second test is provided by applying the approximation technique to 1940-50 and comparing the results with those of the more refined procedure:

	<i>Household Growth (Per Cent) Due to</i>				
	<i>All Sources</i>	<i>Sum of Components</i>	<i>Aging and Mortality</i>	<i>Net Migration</i>	<i>Headship Rate Change</i>
Refined procedure (1940-50 data in Table B-3)	21.7	21.7	13.1	1.8	6.8
Approximation	—	23.1	14.4	0.7	8.0

Although there are small differences, the approximation procedure leads correctly to the inference that the source of the sharp rise in household growth from 1930-40 to 1940-50 (Table B-3) was the movement in the headship rate component, and that the demographic components played a negligible part.

1940-64. The method followed for estimating components of change was the same as that for labor force, described in the sources and methods for Table A-3. Household data refer to the civilian noninstitutional population plus members of the armed forces living off post or with their families on military reservations; population data, to the total population, including armed forces overseas. Calculations were done separately for each sex-age class of the total population. Age classes were 14-24, 25-29, 30-34, ten year groups through 55-64, and 65 and over. Alaska and Hawaii are omitted in calculations referring to periods through 1960, but are included in those for 1960 on.

Households: 1940, [179, p. 1-458]. 1950, [182, No. 33 (February 12, 1951), p. 15]. 1955, [*ibid.*, No. 67 (May 2, 1956), p. 11]. 1960, [*ibid.*, No. 106 (January 9, 1961), p. 13]. An estimate excluding Alaska and Hawaii was obtained by deducting 1960 census data for these states. 1964, [*ibid.*, No. 139 (June 11, 1965), pp. 17-18].

Population and migration: Same as for Table A-3, 1940-65, except that the

1965 population data were replaced by those for 1964 from [194, p. 130], and the 1960-65 migration total was replaced by that for 1960-64 from [183, No. 302 (March 11, 1965), p. 8].

Table B-4

1920-30, [176, pp. 1-93]; 1940-50 [183, No. 98, p. 15]; 1955, [*ibid.*, No. 265, p. 25]; 1960-85, [*ibid.*, No. 286, p. 42, series C].

Table B-5

1920-40, [176, pp. 1-238]. The 1920 and 1930 values were inferred from those for the appropriate cohorts as reported in 1940, the first date at which data on educational attainment were collected. 1950, [*ibid.*, pp. 1-236]; 1960-85, [183, No. 305, pp. 7-10].

Tables B-6 and B-7

For periods through 1960-64, values are same as those in Tables A-3 and B-3, except for the 1960-64 labor force change by component, for which 1964 population and 1960-64 migration data were from sources shown for Table B-3, and 1964 labor force data from [194, p. 130]. The "population growth" component is the contribution due to net migration plus that due to aging and mortality.

The method by which the quinquennial projections from 1960-65 through 1975-80 were partitioned is that described above for Table A-3. Scope and classification detail for labor force were the same as those for the 1960-65 period described under the head of 1940-65 calculations of Table A-3; for households, same as those for the 1940-64 calculations of Table B-3. Sources of basic data were as follows.

Labor force: 1965-75 (based on 1962 population projection), [193, p. 4]. 1970-80 (based on 1964 population projection), [194, p. 130].

Households: 1965-80 (based on 1962 population projection), [182, No. 123 (April 11, 1963)]. Unpublished distributions by age and sex were provided by the Bureau of the Census.

Population: 1965-75 (1962 population projection), [193, p. 4]. 1980 (1962 population projection), [183, No. 251 (July 6, 1962), p. 4, Series II]. 1970-80 (1964 population projection), [194, p. 130].

Migration: 1960-75 (1962 population projection), quinquennial projection from [183, No. 187 (November 10, 1958), p. 13]. In accordance with assumption used in census projections, all migrants were assumed to survive to the end of the quinquennium in which they immigrated. 1960-80 (1964 population projection), annual projection in [183, No. 286 (July 1964), p. 27] was cumulated and aged to end of quinquennium, assuming no mortality among migrants.

