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Appendix 6

Section A

NATIONAL RESOURCES COMMITTEE DISTRIBUTIONS, 1935-1936

Section B

OPA REVISION OF NRC DISTRIBUTIONS FOR 1935-1936

Section C

TUCKER MODIFICATION OF NRC DISTRIBUTIONS FOR 1935-1936

Section D

BLS-BHE SURVEY FOR 1941

Section E

CENSUS SAMPLES FOR 1944, 1945, 1947, AND 1948

Section F

SURVEYS OF CONSUMER FINANCES FOR 1945-1948

Section A: National Resources Committee Distributions, 1935-1936
 a Number and Income of All Families by Income Level

INCOME LEVEL (1)	NO. OF FAMILIES (2)	I N C O M E			ESTIMATED PER CAPITA INCOME AND ITS RANK FOR EACH SIZE OF FAMILY GROUP						
		Aggregate (\$000) (3)	Per Family (\$) (4)	Per capita (\$) (5)	2 Person Rank of per capita (6)	3-4 Person Per capita (\$) (7)	5-6 Person Per capita (\$) (9)	7 or more Person Per capita (\$) (11)			
\$10,000 & over	283,791	6,424,499	22,638	11,319	2	6,658	4	4,192	9	2,795	13
7,500-10,000	187,060	1,605,632	8,584	4,292	7	2,525	15	1,590	25	1,060	36
5,000-7,500	322,950	1,900,091	5,884	2,942	12	1,731	22	1,090	35	726	50
4,500-5,000	152,647	719,447	4,713	2,356	17	1,386	26	873	43	582	60
4,000-4,500	249,948	1,048,368	4,194	2,097	19	1,234	30	777	49	518	65
3,500-4,000	438,428	1,625,887	3,708	1,854	21	1,091	34	687	53	458	71
3,000-3,500	743,559	2,385,993	3,209	1,604	24	944	39	594	59	396	79
2,500-3,000	1,314,199	3,568,624	2,715	1,358	28 & 29	799	47 & 48	503	66 & 67	335	85 & 86
2,250-2,500	1,043,977	2,471,672	2,368	1,184	31 & 32	696	51 & 52	439	72 & 73	292	93 & 94
2,000-2,250	1,420,883	3,002,082	2,113	1,056	37 & 38	621	57 & 58	391	80 & 81	261	95 & 96
1,750-2,000	1,897,037	3,468,803	1,829	914	40 & 41	578	63 & 64	339	83 & 84	226	101 & 102
1,500-1,750	2,343,358	3,777,570	1,612	806	45 & 46	474	69 & 70	299	91 & 92	199	105 & 106
1,250-1,500	2,865,472	3,907,765	1,364	682	54 & 55	401	77 & 78	253	99 & 100	168	113 & 114
1,000-1,250	3,882,444	4,348,429	1,120	560	61 & 62	329	87 & 88	207	103 & 104	138	120 & 121
750-1,000	4,277,048	3,738,014	874	437	74 & 75	257	97 & 98	162	116 & 117	108	126 & 127
500-750	3,799,215	2,384,017	628	314	89 & 90	185	110 & 111	116	122 & 123	78	128 & 129
250-500	3,015,394	1,166,509	387	194	108 & 109	114	124 & 125	72	130 & 131	48	134 & 135
Under 250	1,162,890	135,836	117	58	132 & 133	34	136 & 137	22	138 & 139	14	140 & 141
Total	29,400,300	47,679,238									

Column

Column

- 1 Each income level distinguished up to \$10,000 in *Consumer Incomes in the United States* (National Resources Committee, 1938), all levels over \$10,000 being treated as a unit.
- 2, 3 *Ibid.*, Table 3, p. 18.
- 4 Column 3 divided by column 2.
- 5, 6, 7, 8, 9, 10, 11, 12 Column 4 divided by the average number of persons in the given size of family group as shown for all nonrelief families in *ibid.*, Table 4, p. 21. The average number of persons in the given size of family group is assumed to be the same for relief and nonrelief families and at all income levels. We cannot measure the error involved in this assumption, but that family size is not identical at all income levels is evidenced by the difference between the published total of the number in nonrelief families by income level and the estimated total as shown in Part b, columns 11 and 10 respectively. These differences were disregarded, however, since they have only a minor effect on the shares of the income groups distinguished.
- 6, 8, 10, 12 Rank from highest to lowest in the array of per capita for all persons covered by the NRC distributions: members of families (relief and nonrelief), single individuals, and institutional residents. Since the per capita income for nonrelief and relief families is assumed to be the same — an assumption forced on us by our use of the same family size (see notes to col. 5, 7, 9, and 11) — the levels up to \$3,000, which cover both family types, have two ranks.

b Estimated Number of Persons in Each Size of Family Group, Nonrelief Families, by Income Level

INCOME LEVEL	NO. OF NONRELIEF FAMILIES		NUMBER IN EACH SIZE OF FAMILY GROUP		FAMILY GROUP		NUMBER OF PERSONS ALL NONRELIEF FAMILIES				
	2 Person		3-4 Person		5-6 Person		7 or more Person				
	Families	Persons	Families	Persons	Families	Persons	Families	Persons			
\$10,000 & over	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
7,500-10,000	283,791	58,773	117,546	136,163	462,954	58,972	318,449	29,883	242,052	1,141,001	1,100,592
5,000-7,500	187,060	41,995	83,990	93,941	310,399	39,470	213,138	11,654	94,397	2,021,682	2,130,147
4,500-5,000	322,950	61,912	123,824	152,821	519,591	77,487	418,430	30,730	248,913	1,664,205	1,704,022
4,000-4,500	132,647	33,208	66,416	69,582	236,579	32,186	173,804	17,671	143,135	4,732,497	4,830,903
3,500-4,000	289,948	46,378	92,756	108,864	370,138	68,793	371,482	25,913	209,895	5,217,639	5,241,194
3,000-3,500	438,428	80,397	160,794	216,657	736,634	103,455	558,657	37,919	307,144	9,181,038	9,225,848
2,500-3,000	743,559	149,381	298,762	360,775	1,226,635	165,442	893,387	67,961	550,484	7,044,987	7,094,148
2,250-2,500	1,304,010	251,036	502,072	648,614	2,205,288	283,347	1,530,074	121,013	980,205	8,704,643	8,717,073
2,000-2,250	1,006,568	230,806	461,612	488,890	1,662,226	207,051	1,118,075	79,821	646,550	10,410,175	10,414,060
1,750-2,000	1,361,403	311,750	623,500	652,304	2,217,834	284,180	1,534,572	113,169	916,669	12,467,839	12,525,006
1,500-1,750	1,829,835	420,428	840,856	896,221	3,047,151	370,306	1,999,652	142,880	1,157,328	12,891,817	12,827,050
1,250-1,500	2,255,358	548,830	1,097,660	1,071,380	3,642,692	437,188	2,360,815	197,960	1,603,476	10,794,785	10,746,041
1,000-1,250	3,277,862	674,560	1,349,120	1,236,963	4,205,674	536,044	2,894,638	242,067	1,960,743	9,371,901	9,342,916
750-1,000	3,337,160	903,707	1,807,414	1,473,399	5,009,557	609,354	3,290,512	291,402	2,360,756	355,849	355,849
500-750	2,818,654	946,034	1,892,068	1,409,705	4,792,997	645,466	3,485,516	335,955	2,721,236	180,180	180,180
250-500	1,950,545	855,371	1,710,742	1,163,131	3,954,645	500,679	2,703,667	299,473	2,425,731	1,629,202	1,629,202
Under 250	703,765	341,075	682,150	235,503	800,710	83,255	449,577	43,932	355,849	9,371,901	9,342,916
Total	24,913,177										

Column

1, 2, 4, 6, 8 Consumer Incomes in the United States, Table 8B, p. 97.

3, 5, 7, 9 Number of families in preceding column multiplied by the average number of persons in the given size of family group as shown for all nonrelief families in *ibid.*, Table 4, p. 21. See notes to columns

Column

5, 7, 9, and 11 of Part a.

Family Expenditures in the United States (National Resources Planning Board, June 1941), Table 335, p. 108.

National Resources Committee Distributions, 1935-1936 (cont.)

472

c Estimated Aggregate Income of Persons in Each Size of Family Group, Nonrelief Families, by Income Level

Income Level	Estimated Aggregate Income (\$000), Families of 2		3-4		5-6		7 or more		Rank of per Capita Income, Families of 2		3-4		5-6		7 or more	
	Persons (1)	Persons (2)	Persons (3)	Persons (4)	Persons (5)	Persons (6)	Persons (7)	Persons (8)	Persons (9)	Persons (10)	Persons (11)	Persons (12)	Persons (13)	Persons (14)	Persons (15)	Persons (16)
\$10,000 & over	1,330,503	3,082,458	1,335,008	676,491	2	4	9	13								
7,500-10,000	360,485	806,390	338,810	100,038	7	15	25	36								
5,000- 7,500	364,290	899,199	455,934	180,815	12	22	35	50								
4,500- 5,000	156,509	327,940	151,693	83,283	17	26	43	60								
4,000- 4,500	194,509	456,576	288,518	108,679	19	30	49	65								
3,500- 4,000	298,112	803,364	383,611	140,604	21	34	53	71								
3,000- 3,500	479,364	1,157,727	530,903	218,087	24	39	59	79								
2,500- 3,000	681,563	1,760,987	769,287	328,550	28	47	66	85								
2,250- 2,500	546,549	1,157,692	490,297	189,016	31	51	72	93								
2,000- 2,250	658,728	1,378,318	600,472	239,126	37	57	80	95								
1,750- 2,000	768,963	1,639,188	677,290	261,328	40	63	83	101								
1,500- 1,750	884,714	1,727,065	704,747	319,112	45	69	91	105								
1,250- 1,500	920,100	1,687,218	731,164	330,179	54	77	99	113								
1,000- 1,250	1,012,152	1,650,207	682,476	326,370	61	87	103	120								
750- 1,000	826,834	1,232,082	564,137	293,625	74	97	116	126								
500- 750	537,173	730,446	314,426	188,069	89	110	122	128								
250- 500	276,012	292,360	116,759	69,730	108	124	130	134								
Under 250	39,906	27,554	9,741	5,140	132	136	138	140								

Column

1-4 Number of persons in given size of family group (Part b, col. 3, 5, 7, and 9 respectively) multiplied by the per

Column

capita income for that group (Part a, col. 5, 7, 9, and 11 respectively).

5-8 Part a, columns 6, 8, 10, and 12 respectively.

Income Level (1)	Number of Families			Estimated % Distribution of Relief Families by Size of Family Group					Estimated Number of Relief Families in Each Size of Family Group				
	Total (2)	Relief (col. 2 - col. 3)		2 Person (5)	3-4 Person (6)	5-6 Person (7)	7 or more Person (8)	2 Person (9)	3-4 Person (10)	5-6 Person (11)	7 or more Person (12)	7 or more	
		Nonrelief (3)	col. 3 (4)									Person (13)	Person (14)
\$2,500-3,000	1,314,199	1,304,010	10,189	9,888	25,549	32,857	31,706	1,007	2,603	3,348	3,231		
2,250-2,500	1,043,977	1,006,568	37,409	9,786	20,731	31,134	38,349	3,661	7,755	11,647	14,346		
2,000-2,250	1,420,883	1,361,403	59,480	9,748	20,394	30,478	39,379	5,798	12,130	18,128	23,423		
1,750-2,000	1,897,037	1,829,835	67,202	10,813	23,047	31,454	34,687	7,267	15,488	21,138	23,310		
1,500-1,750	2,343,358	2,255,358	88,000	11,598	22,641	45,197	20,564	10,206	19,924	39,773	18,096		
1,250-1,500	2,865,472	2,689,634	175,838	12,152	22,285	44,566	20,997	21,368	39,185	78,364	36,921		
1,000-1,250	3,882,444	3,277,862	604,582	15,153	24,702	40,986	19,159	91,612	149,344	247,794	115,832		
750-1,000	4,277,048	3,337,160	939,888	19,733	29,402	33,611	17,254	185,468	276,346	315,906	162,168		
500- 750	3,799,215	2,818,654	980,561	25,759	35,026	25,015	14,200	252,583	343,451	245,287	139,240		
250- 500	3,015,394	1,950,545	1,064,849	27,604	29,238	28,189	14,970	293,941	311,341	300,170	159,408		
Under 250	1,162,890	703,765	459,125	34,002	34,281	21,540	10,177	156,112	157,393	98,896	46,725		
Total	29,400,300*	24,913,177*	4,487,123										

* Including income levels over \$3,000.

For notes see pages 474-5.

Notes to Section A, Part d

Column

- 1 No relief families are shown in *Consumer Incomes in the United States* at income levels above \$3,000.
- 2 Part a, column 2.
- 3 Part b, column 1.
- 5-8 Each income level calculated by the procedure indicated below for the \$2,500-3,000 income level.

I PRELIMINARY ESTIMATE OF WEIGHTS FOR SIZE OF FAMILY GROUPS

Size of Family Group	Average Number per Family		Ratio: Col. 3 to Col. 2 (4)	Weight (%) of Given Group, Nonrelief Families \$2,500-3,000 Income Level		Logarithm of Col. 5 Col. 6		Level of Col. 9 Corresponding to That at Which Cuts Col. 8 (10)	Prelim. Weight (%) of Given Group, Relief Families \$2,500-3,000 Income Level <i>Antilog Col. 11 of Adj. Col. 10 to 100%</i> (11) (12)		
	All Income Levels (1)	Nonrelief Families \$2,500-3,000 income level (2)		Col. 1 X Col. 4 (5)	Col. 2 (3)	Col. 1 Col. 4 (7)	Col. 5 Col. 6 (8) (9)				
a 2 person	2.0	4.001226	1.351926	2.7039	19.251	0.30103	0.43199	1.28445	1.05016	11.224	11.818
b 3-4 person	3.4	4.5965	49.740	4.5965	49.740	0.53148	0.66243	1.69671	1.46242	29.001	30.535
c 5-6 person	5.4	7.3004	21.729	7.3004	21.729	0.73239	0.86335	1.33704	1.57147	37.279	39.251
d 7 or more person	8.1	10.9506	9.280	10.9506	9.280	0.90848	1.03944	0.96755	1.24234	17.472	18.396
e All size groups										94.976	100.000

Column

- 1 *Consumer Incomes in the United States*, Table 4, p. 21.
- 2 Column 1 multiplied by column 6, divided by 100.
- 3 Calculated from *Family Expenditures in the United States*, Table 335, p. 108.
- 6 Calculated from *Consumer Incomes in the United States*, Table 88, p. 97.
- 10 Column 9 interpolated (or extrapolated) proportionately to the relation of column 7 to column 8.
- 12 Column 11 multiplied by the ratio of 100,000 to 94,976. Since the resulting weights do not yield the average in column 3, further adjustment is necessary.

II FINAL ESTIMATE OF WEIGHTS FOR SIZE OF FAMILY GROUPS

Size of Family Group	Average Number per Family		Prelim. Weight (%) of Given Group, Relief Families \$2,500-3,000 Income Level	D e v i a t i o n s			Final Weight (%) of Given Group, Relief Families \$2,500-3,000 Income Level Col. 6 ÷ Col. 7 Adj. to 100% (8)
	Non-relief Families All Income Levels (1)	Relief Families \$2,500-3,000 Income Level (2)		Of Col. 1 from Col. 2 (4)	Weighted (col. 3 X col. 4) (5)	Adjusted reduced or raised by line g (col. 5 by line g) (6)	
a 2 person	2.0	11.818		-3.409	-40.288	7.724	9.888
b 3-4 person	3.4	30.535		-2.009	-61.345	19.958	25.549
c 5-6 person	5.4	39.251		-0.009	-0.353	25.667	32.857
d 7 or more person	8.1	18.396		+2.691	49.504	24.768	31.706
e All size groups	5.409				-52.482	78.117	100.000
f All size groups, signs disregarded					151.490		
g Line e as % of line f					-34.64		

Column

- 1 Column 1 of Part I.
- 2 Column 3 of Part I.
- 3 Column 12 of Part I.

Column

- 6 When line g is negative, the negatives in column 5 are reduced and the positives increased; when line g is positive, the positives are reduced and the negatives increased.
- 8 Column 7 multiplied by the ratio of 100.000 to 78.117.

9-12 Column 4 multiplied by columns 5-8 respectively.

National Resources Committee Distributions, 1935-1936 (cont.)

e Estimated Number of Persons and Aggregate Income by Size of Family Group, Relief Families, by Income Level

Income Level	Number of Persons in Each Size of Family Group						Estimated Aggregate Income (\$000)						Rank of per Capita Income, All Size Groups														
	2		3-4		5-6		7 or more		Estimated		Published		2		3-4		5-6		7 or more								
	Person	(1)	Person	(2)	Person	(3)	Person	(4)	Person	(5)	Person	(6)	Person	(7)	Person	(8)	Person	(9)	Person	(10)	Person	(11)	Person	(12)	Person	(13)	Person
\$2,500-3,000	2,014	8,850	18,079	26,171	55,114	55,116	2,734	7,067	9,090	8,772	29	48	67	86													
2,250-2,500	7,322	26,367	62,894	116,203	212,786	553,151	8,669	18,364	27,580	33,972	32	52	73	94													
2,000-2,250	11,596	41,242	97,891	189,726	340,455	553,151	12,251	25,631	38,305	49,492	38	58	81	96													
1,750-2,000	14,534	52,659	114,145	188,811	370,149	370,179	13,291	28,377	38,661	42,634	41	64	84	102													
1,500-1,750	20,412	67,742	214,774	449,506	449,506	449,495	16,452	32,118	64,114	29,170	46	70	92	106													
1,250-1,500	42,736	133,229	423,166	299,060	898,191	898,194	29,146	53,449	106,887	50,362	55	78	100	114													
1,000-1,250	183,224	507,770	1,338,088	938,239	2,967,321	2,967,027	102,605	167,265	277,533	129,730	62	88	104	121													
750-1,000	370,936	939,576	1,705,892	1,313,561	4,329,965	4,330,199	162,099	241,527	276,099	141,733	75	98	117	127													
500-750	505,166	1,167,733	1,324,550	1,127,844	4,125,293	4,124,829	158,622	215,692	154,045	87,442	90	111	123	129													
250-500	587,882	1,058,559	1,620,918	1,291,205	4,558,564	6,318,810	113,755	120,485	116,171	61,694	109	125	131	135													
Under 250	312,224	535,136	534,038	378,472	1,759,870	6,318,810	18,265	18,414	11,573	5,465	133	137	139	141													

Column

1-4 Number of families in the given size of family group, Part d, columns 9-12 respectively, multiplied by the average number of persons in that group as shown for all nonrelief families in *Consumer Incomes in the United States*, Table 4, p. 21. As in Part a, columns 5, 7, 9, and 11, the average number of persons in the given size of family group is assumed to be the same for relief and nonrelief families and at all income levels. Whatever error is introduced by this assumption is concealed by the nature of the estimates of the weights for the size

Column

groups (see notes to Part d, col. 5-8).
 6 *Family Expenditures in the United States*, Table 335, p. 108; see notes to columns 1-4.
 7-10 Number of persons in given size of family group (col. 1-4 respectively) multiplied by the per capita income for that group (Part a, col. 5, 7, 9, and 11 respectively).
 11-14 Part a, columns 6, 8, 10, and 12 respectively.

National Resources Committee Distributions, 1935-1936 (cont.)

f Number and Income of Single Individuals by Income Level

Income Level (1)	Number (2)	I n c o m e		Rank of Per Capitas (5)
		Aggregate (\$000) (3)	Per capita (\$) (4)	
\$10,000 & over	46,949	1,141,994	24,324	1
7,500-10,000	28,582	242,188	8,473	3
5,000- 7,500	57,316	344,315	6,007	5
4,500- 5,000	25,491	122,319	4,799	6
4,000- 4,500	36,105	154,458	4,278	8
3,500- 4,000	63,731	237,497	3,727	10
3,000- 3,500	108,360	349,494	3,225	11
2,500- 3,000	161,275	436,150	2,704	14
2,250- 2,500	210,099	497,260	2,367	16
2,000- 2,250	283,652	600,779	2,118	18
1,750- 2,000	398,985	745,400	1,868	20
1,500- 1,750	546,546	883,223	1,616	23
1,250- 1,500	877,956	1,201,347	1,368	27
1,000- 1,250	1,108,551	1,240,682	1,119	33
750- 1,000	1,599,030	1,391,492	870	44
500- 750	1,972,745	1,231,636	624	56
250- 500	1,571,983	600,854	382	82
Under 250	960,644	158,302	165	115
Total	10,058,000	11,579,390		

Column

- 1 Each income level distinguished up to \$10,000 in *Consumer Incomes in the United States*, all levels over \$10,000 being treated as a unit.
- 2, 3 *Ibid.*, Table 15, p. 30.
- 4 Column 3 divided by column 2.
- 5 Rank from highest to lowest in array of per capita for all persons covered by the NRC distributions: members of families (relief and nonrelief), single individuals, and institutional residents.

National Resources Committee Distributions, 1935-1936 (cont.)

g Number and Income of Institutional Residents

	Number (1)	I n c o m e		Rank of per Capita Income (4)
		Aggregate (\$000) (2)	Per Capita (\$) (3)	
Institutions for				
Mental defectives	563,000	80,500	143	119
Physical defectives	101,000	41,000	406	76
Prisoners & delinquent adults	207,000	31,200	151	118
Dependent & delinquent children	160,000	31,500	197	107
Dependent adults	169,000	29,900	177	112
Quasi-institutional groups				
CCC & labor camps	515,000	250,200	486	68
Military & naval posts & crews on vessels	285,000	260,000	912	42
Total	2,000,000	724,300		

Column

1, 2 *Consumer Incomes in the United States*, Table 16, p. 32.

3 Column 2 divided by column 1.

4 See note to column 5 of Part f. For the distributions taking account of the OPA revisions, Section B, and of Tucker's modifications, Section C, the rank of the per capita is as follows (reading down): for Section B, 109, 73, 108, 98, 101, 63, and 39; for Section C, 44, 34, 43, 40, 41, 32, and 24.

National Resources Committee Distributions, 1935-1936 (concl.)

h Number of Persons and Their Aggregate Income Cumulated by the Order Class of Their per Capita Income All Families, Single Individuals, and Institutional Residents

ORDER CLASS OF PER CAPITA INCOME (1)	NUMBER OF PERSONS		AGGREGATE		INCOME		
	In Order Class (2)	Cumulated by Order Class (3)	Of Persons in Order Class (thousands of dollars) (6)	Cumulated by Order Class (thousands of dollars) (7)	Selected Level in Col. 3 as % of Total, Col. 3 (4)	Selected Level in Col. 7 as % of Total, Col. 7 (8)	Log of Col. 8 (9)
1	46,949	46,949	1,141,994	1,141,994			
2	117,546	164,495	1,330,503	2,472,497			
3	28,582	193,077	242,188	2,714,685			
4	462,954	656,031	3,082,458	5,797,143			
5	57,316	713,347	344,315	6,141,458			
6	25,491	738,838	122,319	6,263,777			
7	83,990	822,828	360,485	6,624,262			
8	36,105	858,933	154,458	6,778,720			
9	318,449	1,117,382	1,335,008	8,113,728			
10	63,731	1,241,113	237,497	8,351,225	0.971	13.922	1.14370
11	108,360	1,349,473	349,494	8,700,719	1.056	14.504	1.16149
12	123,824	1,473,297	364,290	9,065,009			
13	242,052	1,715,349	676,491	9,741,500			
14	161,275	1,876,624	436,150	10,177,650			
15	319,399	2,196,023	806,390	10,984,040			
16	210,099	2,406,122	497,260	11,481,300			
17	66,416	2,472,538	156,509	11,637,809			
18	283,652	2,756,190	600,779	12,238,588			
19	92,756	2,848,946	194,509	12,433,097			
20	398,985	3,247,931	745,400	13,178,497			
21	160,794	3,408,725	298,112	13,476,609			
22	519,591	3,928,316	899,199	14,375,808			
23	546,546	4,474,862	883,223	15,259,031			
* 141 & total	378,472	127,769,423	5,465	59,987,194			

For the procedure by which the income share of a given upper percentage band is calculated see Appendix 3, Section A.

* Each order class up to 141 was covered but it would be too space consuming to show all here; hence the gap between the 23rd and the 141st class.

Column 1 Representing the ranks of the per capita as shown in Parts c, e, f, and g.

2 The number of persons, Parts b, e, f, and g, whose per capita rank is that indicated in column 1.

6 From Parts c, e, f, and g.

Section B: OPA Revision of NRC Distributions for 1935-1936

I OUTLINE OF OPA PROCEDURE BASED ON DESCRIPTION SUPPLIED BY
HILDEGARDE KNEELAND, OFFICE OF PRICE ADMINISTRATION,
DIVISION OF RESEARCH, CONSUMER INCOME AND DEMAND BRANCH

Four types of adjustment of the NRC distributions were required: modification of the estimates for income levels above \$5,000 on the basis of Treasury income tax data not available when the study was made; removal of imputed income at each income level under \$5,000; adjustment to the revised estimates of population; and adjustment to the revised estimates of aggregate income.

Revision of Distributions above \$5,000

The NRC distributions for the higher income levels were based on federal income tax returns for 1935 and 1936. When the estimates were prepared, however, tabulations of tax returns for 1936 were incomplete. The subsequent publication by the Treasury of the *1936 Statistics of Income* and especially of the *1936 Supplement* (Sec. I and II) presenting the results of a special analysis of returns for that year, made possible a more accurate estimate of the number of consumer units and their income at the higher income levels.¹

The major improvements in the original distributions were made by using two special tabulations of the 1936 returns — one combining the separate returns of husbands and wives into pairs of matched returns, and the other classifying returns by net income excluding capital gains or losses. Otherwise, the procedures closely approximated those used in the original NRC study.

A smooth (Pareto) curve was then fitted to the resulting distributions above \$5,000 to facilitate later attachment to the lower portions of the distributions. In the case of families the curve was extended and the attachment finally made at the \$3,000 level. The curve fitted to the single consumer distributions was modified to allow for the fact that the types of tax returns used in the analysis (covering men and women 'not heads of families') included some returns from persons who are here classified as family members.

Removal of Imputed Income

To convert the NRC distributions for income levels below \$5,000 to a

¹ Unpublished data from the special 1936 study on file at the Bureau of Internal Revenue were also used.

money income basis, data on imputed income from its study of consumer expenditures were utilized.

For families these data show at each income level the percentage derived from the imputed value of food, housing, fuel, and ice — the major nonmoney items covered by the study.² These percentages were plotted at the averages of the income levels to which they corresponded, and the percentages of imputed income at the class limits of each level up to \$5,000 and at the limits of smaller intervals of \$50 were read off. The number of families at each income level up to \$5,000 as shown in the original distribution was also plotted in a cumulative frequency curve, and readings were made at each \$50 interval. Each class limit of this basic frequency distribution was then reduced by the corresponding percentage of imputed income. This adjustment was equivalent to shifting families down the income scale to levels roughly approximating their money incomes.

For single consumers a relatively small amount of imputed income was included in the NRC estimates, and the conversion of the distribution to a money income basis was therefore cared for as part of the final adjustment.

Adjustment to Revised Population Estimates

Estimates of the civilian population for 1935-36 based on the 1940 Census showed slightly more families than the original NRC figure, and an appreciably smaller number of single consumers. The revised total of families was adjusted by raising the frequencies in the basic distribution proportionately but only the frequencies below the original \$5,000 consumer income level since the 'tail' had already been revised. The reduction in the frequencies for single consumers was applied throughout the income scale, the adjustment for the higher levels being carried out in conjunction with the modification of the income tax data mentioned above.

Adjustment to Revised Estimates of Aggregate Income

The first step was to determine the total income received by civilians from various sources. Here it was possible to draw upon Department of Commerce estimates of monthly income payments to individuals in 1935 and 1936. Since the original Consumer Purchases Study had about twice as many cases covering the first half of 1935 as the last half of 1936, the income totals for the first 6 months of 1935 were given a weight of 2 with respect to the totals for the last 6 months of 1936. And since all the items of income included in the Commerce series do not represent money income paid to families and single consumers, it was necessary to make several deductions to adapt the Commerce totals to this study: income received

² Several minor items of imputed income are not included in these percentages.

by members of the armed forces and institutional residents and retained by them for personal use; interest payments to banks, insurance companies, and other savings institutions and to government corporations and trust funds which, though included for technical reasons in the Commerce series, are not actually paid to individual consumers; and the imputed value of wages in kind, relief in kind, and food and other products retained by farm operators for home consumption. Several minor items of civilian income not covered by the Commerce figures — earnings from odd jobs and net family income from boarders and lodgers and other work in the household — were added.

Total income received by civilians in each year was divided between families and single consumers on the basis of the ratio of the average income of the two groups. To determine the difference between the two averages, data in the NRC files on the average income of families and single men and women in various occupational groups were used. The final weighted averages obtained by combining the occupational data showed a ratio of 175 for families to 100 for single consumers. Total civilian income was then easily divided between families and single consumers by applying the appropriate population weights.

The final step was to bring the distributions into line with the revised estimates of aggregate money income. The income received at each level in the higher brackets had already been estimated. To determine the aggregate income inherent in the basic frequency distributions, the number of consumer units in each small interval was multiplied by the midpoint of the income range — assuming that the midpoint corresponded to the average (mean) income of the interval. The sum of the products was then adjusted to the 'correct' figure, the difference between the revised aggregate for all consumer units in the group and the aggregate for the 'tail' of the distribution.

For families the income for the basic distribution fell short of the 'correct' figure, since the revised estimate of total money income was higher than the NRC original estimate. The difference was distributed proportionately throughout the basic distribution by raising the class limits and the average and aggregate income of each basic interval the same percentage. The distribution for the lower income groups was then attached to the 'tail' of the distribution, and the results adjusted somewhat from the point of attachment down to the \$3,000 level to give a smooth curve.

For single consumers the adjustment was more extensive. The average income of the group as a whole had been appreciably reduced in revising the NRC original estimates. Hence a considerable shifting of consumers down the income scale was required to bring the income for the basic

distribution into line with the 'correct' figure. After tentatively reducing the class limits of the basic intervals a flat percentage, the resulting distribution was modified in the directions indicated by the analysis of the NRC occupational estimates mentioned above and by data available from several other studies. These adjustments were necessarily a matter of judgment and cannot be claimed accurate; the final distributions, however, are thought to be as reliable as can be obtained without extensive further study.

II CONVERSION OF OPA DISTRIBUTIONS TO A PER CAPITA BASIS

a Number and Money Income of All Families by Income Level

INCOME LEVEL (1)	OPA DISTRIBUTION			PRELIM. ESTIMATE, PER CAPITA INCOME (\$)			
	No. of Families (000) (2)	Money Income Aggregate (\$000,000) (3)	Per family (\$) (4)	FOR EACH SIZE OF FAMILY GROUP			
				2 Person (5)	3-4 Person (6)	5-6 Person (7)	7 or more Person (8)
\$10,000 & over	309	7,094	22,958	11,479	6,752	4,251	2,834
7,500-10,000	206	1,764	8,563	4,282	2,519	1,586	1,057
5,000- 7,500	541	3,257	6,020	3,010	1,771	1,115	743
4,500- 5,000	217	1,026	4,728	2,364	1,391	876	584
4,000- 4,500	295	1,249	4,234	2,117	1,245	784	523
3,500- 4,000	420	1,569	3,736	1,868	1,099	692	461
3,000- 3,500	778	2,506	3,221	1,610	947	596	398
2,500- 3,000	1,393	3,793	2,723	1,362	801	504	336
2,000- 2,500	2,510	5,589	2,227	1,114	655	412	275
1,750- 2,000	1,752	3,279	1,872	936	551	347	231
1,500- 1,750	2,239	3,632	1,622	811	477	300	200
1,250- 1,500	2,657	3,633	1,367	684	402	253	169
1,000- 1,250	3,713	4,166	1,122	561	330	208	139
750- 1,000	3,992	3,492	875	438	257	162	108
500- 750	3,803	2,382	626	313	184	116	77
Under 500	5,385	1,657	308	154	91	57	38
Total	30,210	50,088					

Column

- 1-3 Special tabulation supplied by Hildegard Kneeland, OPA, Division of Research, Consumer Income and Demand Branch.
- 4 Column 3 divided by column 2.
- 5-8 Column 4 divided by the average number of persons in the given size of family group as shown for all nonrelief families in the NRC distributions (*Consumer Incomes in the United States*, Table 4, p. 21).

CONVERSION OF OPA DISTRIBUTIONS TO A PER CAPITA BASIS (cont.)

b Estimated Number of Persons in Each Size of Family Group by Income Level

Income Level	Number of Families (000)		Ratio: Col. 4 to Col. 5		Number per Family OPA NRC		Adj. Factor (col. 3 X col. 6)		Estimated Number in Nonrelief Families of 2 Persons			Estimated Number in Relief Families of 3-4 Persons			Estimated Number in Relief Families of 5-6 Persons			Estimated Number in Relief Families of 7 or more Persons		
	(1)	(2)	(3)	(6)	(4)	(5)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
\$10,000 & over	309	283,791	1.0888				1.0739	126,233	497,166	341,982	259,940									
7,500-10,000	206	187,060	1.1013				1.0863	91,238	346,963	231,532	102,543									
5,000-7,500	541	322,950	1.6752				1.6523	204,594	858,520	691,372	411,279									
4,500-5,000	217	152,647	1.4216				1.4022	93,129	331,731	243,708	200,704									
4,000-4,500	295	249,948	1.1802				1.1641	107,977	430,878	432,442	244,339									
3,500-4,000	420	438,428	0.9580				0.9449	151,934	696,045	527,875	290,220									
3,000-3,500	778	743,559	1.0463				1.0320	308,322	1,265,887	921,975	568,099									
2,500-3,000	1,393	1,314,199	1.0600				1.0455	524,916	2,305,629	1,599,692	1,024,804									
2,000-2,500	2,510	2,464,860	1.0183				1.0044	1,089,886	3,897,132	2,664,319	1,570,097									
1,750-2,000	1,752	1,897,037	0.9235				0.9109	765,936	2,775,650	1,821,483	1,054,210									
1,500-1,750	2,239	2,343,358	0.9555				0.9424	1,034,435	3,432,873	2,224,832	1,511,116									
1,250-1,500	2,657	2,865,472	0.9272				0.9145	1,233,770	3,846,089	2,647,146	1,793,099									
1,000-1,250	3,713	3,882,444	0.9564				0.9433	1,704,934	4,725,515	3,103,940	2,226,524									
750-1,000	3,992	4,277,048	0.9334				0.9206	1,741,838	4,412,433	3,208,766	2,505,170									
500-750	3,803	3,799,215	1.0010				0.9873	1,689,016	3,904,421	2,669,330	2,394,924									
Under 500	5,385	4,178,284	1.2888				1.2712	2,680,412	4,282,987	2,642,544	2,307,618									
Total	30,210	29,400,300	1.0275				3.8905	3,9444	986335											

Column

- 1 Part a, column 2.
 - 2 Section A, Part a, column 2.
 - 4 Estimated family population, January 1, 1936 (117,532,000) divided by number of families in column 1. Family population is estimated by subtracting from population for continental United States, excluding armed forces overseas (average of estimates for July 1, 1935 and 1936 as shown in Bureau of the Census Special Population Report, Series P-45, No. 5), single consumers (Sec. A, Part f, col. 2) and institutional residents (Sec. A, Part g, col. 1). No attempt was made to exclude armed forces in this country, the number being considered negligible.
- Column
- 5 Family population (Family Expenditures in the United States, Table 335, p. 108) divided by number of families (col. 2).
 - 8-11 Number in nonrelief families, NRC distribution (Sec. A, Part b, col. 3, 5, 7, and 9 respectively) multiplied by column 7. The distribution of families between relief and nonrelief is assumed to be proportionately the same as in the NRC distributions and the reduction in the number per family proportionately the same at all income levels.
 - 12-15 Number in relief families, NRC distribution (Sec. A, Part e, col. 1-4 respectively), multiplied by column 7. See preceding note for assumptions.

c Final Estimate of per Capita Income and its Rank for Each Size of Family Group by Income Level

Income Level	2 Person Families		3-4 Person Families		5-6 Person Families		7 or more Person Families	
	Per Capita (\$) (1)	Rank of Per Capitas (2)	Per Capita (\$) (3)	Rank of Per Capitas (4)	Per Capita (\$) (5)	Rank of Per Capitas (6)	Per Capita (\$) (7)	Rank of Per Capitas (8)
\$10,000 & over	11,638	2	6,846	4	4,310	8	2,874	13
7,500-10,000	4,341	7	2,553	15	1,608	24	1,072	35
5,000-7,500	3,052	12	1,795	21	1,130	30	754	47
4,500-5,000	2,397	16	1,410	25	888	40	592	55
4,000-4,500	2,146	18	1,263	29	795	46	530	60
3,500-4,000	1,894	19	1,114	33	701	48	468	66
3,000-3,500	1,633	22	960	36	605	54	403	74
2,500-3,000	1,380	26 & 27	812	44 & 45	511	61 & 62	341	77 & 78
2,000-2,500	1,129	31 & 32	664	51 & 52	418	69 & 70	279	86 & 87
1,750-2,000	949	37 & 38	558	58 & 59	351	75 & 76	234	92 & 93
1,500-1,750	822	42 & 43	484	64 & 65	305	83 & 84	203	96 & 97
1,250-1,500	693	49 & 50	408	71 & 72	257	90 & 91	171	102 & 103
1,000-1,250	569	56 & 57	335	79 & 80	211	94 & 95	140	110 & 111
750-1,000	444	67 & 68	261	88 & 89	164	104 & 105	110	114 & 115
500-750	317	81 & 82	187	99 & 100	118	112 & 113	78	118 & 119
Under 500	156	106 & 107	92	116 & 117	58	120 & 121	39	122 & 123

Column

1, Part a, columns 5-8 respectively, divided by column 6 of
 3, Part b. The average number of persons in each size of
 5, family group is assumed to be reduced in proportion to
 7 the reduction for all groups combined.

Column

2, Rank from highest to lowest in array of per capitas for all
 persons covered by the distributions: members of families
 4, (relief and nonrelief), single consumers, and institutional
 6, residents. Since the per capita income for relief and non-
 8 relief families is assumed to be identical, the levels up to
 \$3,000, which cover both family types, have two ranks.

CONVERSION OF OPA DISTRIBUTIONS TO A PER CAPITA BASIS (cont.)

d Estimated Money Income of Persons in Each Size of Family Group by Income Level

Income Level	Estimated Money Income (\$000), Families of 2		3-4		5-6		7 or more		Rank of per Capita Income, Families of						
	Persons	(1)	Persons	(2)	Persons	(3)	Persons	(4)	Persons	(5)	Persons	(6)	Persons	(7)	Persons
\$10,000 & over	1,469,103		3,403,549		1,474,072		746,961		2		4		8		13
7,500-10,000	396,048		885,942		372,236		109,907		7		15		24		35
5,000-7,500	624,360		1,541,146		781,423		309,903		12		21		30		47
4,500-5,000	223,207		467,694		216,337		118,775		16		25		40		55
4,000-4,500	231,754		544,001		343,761		129,490		18		29		46		60
3,500-4,000	287,745		775,422		370,273		135,713		19		33		48		66
3,000-3,500	503,431		1,215,846		557,555		229,035		22		36		54		74
2,500-3,000	724,573		1,872,125		817,843		349,284		26		44		61		77
2,000-2,500	1,230,405		2,587,968		1,114,005		437,665		31		51		69		86
1,750-2,000	726,850		1,549,423		640,197		247,012		37		58		75		92
1,500-1,750	850,554		1,660,378		677,528		306,787		42		64		83		96
1,250-1,500	854,966		1,567,781		679,416		306,817		49		71		90		102
1,000-1,250	969,715		1,581,016		653,876		312,693		56		79		94		110
750-1,000	772,610		1,151,292		527,136		274,366		67		88		104		114
500-750	535,992		728,838		313,753		187,642		81		99		112		118
Under 500	418,493		393,392		152,818		88,959		106		116		120		122

NONRELIEF FAMILIES

RELIEF FAMILIES

\$2,500-3,000	2,907		7,513		9,664		9,326		27		45		62		78
2,000-2,500	21,451		45,094		67,523		85,653		32		52		70		87
1,750-2,000	12,563		26,776		36,544		40,299		38		59		76		93
1,500-1,750	15,817		30,877		61,638		28,044		43		65		84		97
1,250-1,500	27,083		49,665		99,324		46,797		50		72		91		103
1,000-1,250	98,303		160,252		265,899		124,295		57		80		95		111
750-1,000	151,469		225,689		257,993		132,439		68		89		105		115
500-750	158,273		215,212		153,710		87,244		82		100		113		119
Under 500	178,646		186,079		158,418		81,822		107		117		121		123

Column

Column

1-4 Number of persons in given size of family group, Part b, multiplied by the per capita income for that group, Part c.

5-8 Part c: columns 2, 4, 6, and 8 respectively.

e Number and Money Income of Single Consumers by Income Level

Income Level	M o n e y I n c o m e				Rank of Per Capitas (4)
	Number (000) (1)	Total (\$000,000) (2)	Per Capita (\$) (3)		
\$10,000 & over	17	335	19,729	1	
7,500-10,000	14	120	8,550	3	
5,000- 7,500	41	244	5,961	5	
4,500- 5,000	16	76	4,731	6	
4,000- 4,500	21	89	4,229	9	
3,500- 4,000	32	120	3,738	10	
3,000- 3,500	48	154	3,208	11	
2,500- 3,000	114	310	2,719	14	
2,000- 2,500	273	607	2,223	17	
1,750- 2,000	230	429	1,865	20	
1,500- 1,750	435	704	1,618	23	
1,250- 1,500	483	657	1,360	28	
1,000- 1,250	784	872	1,112	34	
750- 1,000	1,303	1,129	866	41	
500- 750	1,699	1,054	620	53	
Under 500	2,610	792	303	85	
Total	8,120	7,692			

Column

1-3 Special tabulation supplied by Hildegard Kneeland, OPA, Division of Research, Consumer Income and Demand Branch.

4 Rank from highest to lowest in array of per capita for all persons covered by the distributions: members of families (relief and nonrelief), single consumers, and institutional residents.

CONVERSION OF OPA DISTRIBUTIONS TO A PER CAPITA BASIS (concl.)

f Number of Persons and Their Money Income Cumulated by the Order Class of Their per Capita Income of All Families, Single Consumers, and Institutional Residents^a

ORDER CLASS OF PER CAPITA INCOME	NUMBER OF PERSONS			MONEY INCOME		
	In Order Class	Cumulated by Order Class	Selected Level in Col. 3 as % of Total, Col. 4	Of Persons in Order Class (thousands of dollars)	Cumulated by Order Class	Selected Level in Col. 7 as % of Total, Col. 8
(1)	(2)	(3)	(5)	(6)	(7)	(9)
1	17,000	17,000		335,000	335,000	
2	126,233	143,233		1,469,103	1,804,103	
3	14,000	157,233		120,000	1,924,103	
4	497,166	654,399		3,403,549	5,327,652	
5	41,000	695,399		244,000	5,571,652	
6	16,000	711,399		76,000	5,647,652	
7	91,238	802,637		396,048	6,043,700	
8	341,982	1,144,619		1,474,072	7,517,772	
9	21,000	1,165,619		89,000	7,606,772	
10	32,000	1,197,619		120,000	7,726,772	
11	48,000	1,245,619	0.979	154,000	7,880,772	13.470
12	204,594	1,450,213	1.140	624,360	8,505,132	14.537
13	259,940	1,710,153		746,961	9,252,093	
14	114,000	1,824,153		310,000	9,562,093	
15	346,963	2,171,116		885,942	10,448,035	
16	93,129	2,264,245		223,207	10,671,242	
17	273,000	2,537,245		607,000	11,278,242	
18	107,977	2,645,222		231,754	11,509,996	
19	151,934	2,797,156		287,745	11,797,741	
20	230,000	3,027,156	2.380	429,000	12,226,741	20.898
21	858,520	3,885,676	3.055	1,541,146	13,767,887	23.533
22	308,322	4,193,998		503,431	14,271,318	
123 & total	2,122,493	127,201,721		81,822	58,505,458	

For the procedure by which the income share of a given upper Column percentage band is calculated, see Appendix 3, Section A.

^a The NRC estimates of institutional residents are assumed to be unaffected by the OPA revision of the distribution of families and of single consumers. For their number, income, and per capita rank see Section A, Part g.

^b Each order class up to 123 was covered but it would be too space consuming to show all here; hence the gap between the 22nd and the 123rd class.

1 Representing the ranks of the per capitae as shown in Parts d and e, above, and in the note to Section A, Part g, column 4.

2 The number of persons in Parts b and e above, and in Part g of Section A, whose per capita rank is that indicated in column 1.

6 Same sources as column 1.

Section C: Tucker Modification of NRC Distributions for 1935-1936

a Number and Income of All Families by Economic Income Class

Economic Income Class	Number of Families, Tucker (000)	Number of Persons		Income, All Families			Rank of Per Capitas in Col. 8 (9)
		Av. per Family, NRC (3)	Est. Total in All Families (000) (4)	Av. per Capita, NRC (\$) (5)	Prelim. Estimate of Aggregate (\$000,000) (6)	Final Estimate Aggregate (\$000,000) (7)	
\$20,000 & over	68	3.9	265	10,736	2,845	2,721	4
15,000-20,000	43	3.9	168	4,444	747	714	8
10,000-15,000	117	3.9	456	2,911	1,327	1,269	12
7,500-10,000	152	4.2	638	2,044	1,304	1,247	16
5,000-7,500	437	4.2	1,835	1,401	2,571	2,459	20
4,500-5,000	189	4.2	794	1,122	891	852	22
4,000-4,500	211	4.2	886	999	885	846	23
3,500-4,000	494	4.1	2,025	904	1,831	1,751	25
3,000-3,500	987	4.1	4,047	783	3,169	3,031	27
2,500-3,000	1,670	4.0	6,680	674	4,502	4,305	28
2,250-2,500	1,332	4.0	5,328	592	3,154	3,016	30
2,000-2,250	1,796	4.0	7,184	528	3,793	3,627	31
1,750-2,000	2,347	3.9	9,153	465	4,256	4,070	33
1,500-1,750	2,574	3.9	10,039	412	4,136	3,955	35
1,250-1,500	2,911	3.9	11,353	345	3,917	3,746	36
1,000-1,250	3,786	4.0	15,144	281	4,255	4,069	38
750-1,000	3,762	4.0	15,048	218	3,280	3,137	39
500-750	3,121	3.9	12,172	160	1,948	1,863	42
0-500	3,403	3.7	12,591	83	1,045	999	45
Total	29,400		115,806		49,856	47,679	

Column

Column

- 1 Each level shown in 'Distribution of Income in 1935-36' (Rufus S. Tucker, *Journal of the American Statistical Association*, December 1942, Vol. 37, pp. 489-95), Table II.
- 2 *Ibid.*
- 3 *Family Expenditures in the United States* (National Resources Planning Board, 1941), Table 18, p. 6.
- 4 Column 2 multiplied by column 3.
- 5 Average income per family as calculated from *Consumer Incomes in the United States*, Table 3, p. 18, divided by
- 6 the average number per family, column 3.
- 7 Column 4 multiplied by column 5.
- 8 Column 6 multiplied by 0.95633424, the ratio of aggregate income for families in *Consumer Incomes in the United States*, Table 1, p. 4, to the total of column 6.
- 9 Rank from highest to lowest in array of per capita for all persons covered by the NRC distributions: members of families, single individuals, and institutional residents.

Tucker Modification of NRC Distributions for 1935-1936 (cont.)

b Number and Income of Single Individuals by Economic Income Class

Economic Income Class (1)	Number, Tucker (000) (2)	Av. per Capita, NRC (3)	I n c o m e		Per capita (\$) (6)	Rank of Per Capitas in Col. 6 (7)
			Prelim. Estimate of Aggregate (\$000,000) (4)	Final Estimate Aggregate (\$000,000) (5)		
\$20,000 & over	14	43,884	614	606	43,286	1
15,000-20,000	8	17,052	136	134	16,750	2
10,000-15,000	19	11,999	228	225	11,842	3
7,500-10,000	24	8,473	203	201	8,375	5
5,000- 7,500	68	6,007	408	403	5,926	6
4,500- 5,000	25	4,799	120	119	4,760	7
4,000- 4,500	30	4,278	128	126	4,200	9
3,500- 4,000	64	3,727	239	236	3,688	10
3,000- 3,500	109	3,225	352	348	3,193	11
2,500- 3,000	178	2,704	481	475	2,669	13
2,250- 2,500	210	2,367	497	491	2,338	14
2,000- 2,250	284	2,118	602	595	2,095	15
1,750- 2,000	399	1,868	745	736	1,845	17
1,500- 1,750	535	1,617	865	854	1,596	18
1,250- 1,500	893	1,368	1,222	1,207	1,352	19
1,000- 1,250	1,524	1,119	1,705	1,684	1,105	21
750- 1,000	1,542	873	1,346	1,329	862	26
500- 750	1,834	623	1,143	1,129	616	29
0- 500	2,298	300	689	681	296	37
Total	10,058		11,723	11,579		

Column

- 1, 2 See notes to columns 1 and 2, Part a.
- 3 Calculated from *Consumer Incomes in the United States*, Table 15, p. 30.
- 4 Column 2 multiplied by column 3.
- 5 Column 4 multiplied by 0.98771645, the ratio of aggregate income for single individuals in *ibid.*, Table 1, p. 4, to the total of column 4.
- 6 Column 5 divided by column 2.
- 7 See note to column 9 of Part a.

Tucker Modification of NRC Distributions for 1935-1936 (concl.)

c Number of Persons and Their Aggregate Income Cumulated by the Order Class of Their Per Capita Income All Families, Single Individuals, and Institutional Residents^a

Order Class of per Capita Income	N u m b e r o f P e r s o n s			A g g r e g a t e I n c o m e		Log of Col. 8 (9)	
	In Order Class (2)	Cumulated by Order Class (thousands) (3)	Selected Level in Col. 3 as % of Total, Col. 3 (4)	Log of Col. 4 (5)	Of Persons in Order Class (\$ millions) (6)		Cumulated by Order Class (7)
1	14	14			606	606	
2	8	22			134	740	
3	19	41			225	965	
4	265	306			2,721	3,686	
5	24	330			201	3,887	
6	68	398			403	4,290	
7	25	423			119	4,409	
8	168	591			714	5,123	
9	30	621			126	5,249	
10	64	685			236	5,485	
11	109	794			348	5,833	
12	456	1,250	0.978	-0.00966	1,269	7,102	11.841
13	178	1,428	1.117	0.04805	475	7,577	12.633
14	210	1,638			491	8,068	
15	284	1,922			595	8,663	
16	638	2,560			1,247	9,910	
17	399	2,959			736	10,646	
18	535	3,494	2.733	0.43664	854	11,500	19.173
19	893	4,387	3.431	0.53542	1,207	12,707	21.185
20 ^b	1,835	6,222			2,459	15,166	
.45 & total	12,591	127,864			999	59,980	

For the procedure by which the income share of a given upper percentage band is calculated, see Appendix 3, Section A.

^a The NRC estimates of institutional residents are assumed to be unaffected by Tucker's modification of the distribution of families and of single individuals. For their number, income, and per capita rank, see Section A, Part g.

^b Each order class up to 45 was covered but it would be too space consuming to show all here; hence the gap between the 20th and the 45th class.

1 Representing the ranks of the per capitās as shown in Parts a and b, and in the note to Section A, Part g, column 4.

2 The number of persons in Parts a and b, above, and in Part g of Section A whose per capita rank is that indicated in column 1.

6 Same sources as column 1.

Section D: BLS-BHE Survey for 1941

a Number of Consuming Units by Size of Unit and by Income Class (thousands)

Money Income Class	Single Persons (1)	Number of Families in Each Size of Family Group						All Families (8)
		2 Person (2)	3 Person (3)	4 Person (4)	5 Person (5)	6 Person (6)	Over 6 Person (7)	
U R B A N								
\$5,000 & over	23	147	176	474	222	120	183	1,322
3,000-5,000	41	860	1,032	706	330	178	278	3,384
2,500-3,000	120	670	663	879	319	165	121	2,816
2,000-2,500	222	1,133	1,120	723	262	135	99	3,472
1,500-2,000	374	1,203	1,265	477	457	187	146	3,735
1,000-1,500	772	1,294	637	405	232	77	57	2,703
500-1,000	1,358	1,033	593	230	172	115	95	2,237
Under 500*	1,134	558	58	38	58	19	19	750
R U R A L N O N F A R M								
\$3,000 & over	28	130	141	106	106	28	53	564
2,000-3,000	28	208	255	293	227	47	76	1,106
1,500-2,000	8	220	296	152	110	110	91	979
1,000-1,500	117	529	420	285	235	176	33	1,678
500-1,000	226	578	335	326	151	117	217	1,724
Under 500	592	765	296	157	70	61	70	1,419
F A R M								
\$3,000 & over	0	25	75	92	75	25	49	341
2,000-3,000	8	133	142	117	117	17	8	534
1,500-2,000	17	159	108	134	83	83	92	659
1,000-1,500	0	135	142	294	109	34	212	926
500-1,000	50	356	356	324	248	75	192	1,551
Under 500	151	653	410	377	176	134	251	2,001

* Including units with negative income which are not shown separately in the source material.

Column

U R B A N

- 1 BLS *Bulletin* 822, Table 1 A, p. 69.
- 2, 7 *Ibid.* The procedure by which the \$2,000-3,000 and the \$3,000 and over income classes are distributed parallels that shown in Appendix 6, Section A, Part d, notes to columns 5-8, Part II.
- 8 *Ibid.*, Table 1, p. 68.

R U R A L N O N F A R M A N D F A R M

- 1, 8 *Ibid.*, Table 1 A, p. 69.

b Total Number of Persons by Size of Unit and by Income Class (thousands)

Money Income Class	Total Number of Persons in Each Size of Family Group						
	Single Persons (1)	2 Person (2)	3 Person (3)	4 Person (4)	5 Person (5)	6 Person (6)	Over 6 Person (7)
U R B A N							
\$5,000 & over	23	294	528	1,896	1,110	720	1,454
3,000-5,000	41	1,720	3,096	2,824	1,650	1,068	2,197
2,500-3,000	120	1,340	1,989	3,516	1,595	990	993
2,000-2,500	222	2,266	3,360	2,892	1,310	810	820
1,500-2,000	374	2,406	3,795	1,908	2,285	1,122	1,146
1,000-1,500	772	2,588	1,911	1,620	1,160	462	500
500-1,000	1,358	2,066	1,779	920	860	690	779
Under 500	1,134	1,116	174	152	290	114	134
R U R A L N O N F A R M							
\$3,000 & over	28	260	423	424	530	168	423
2,000-3,000	28	416	765	1,172	1,135	282	588
1,500-2,000	8	440	888	608	550	660	780
1,000-1,500	117	1,058	1,260	1,140	1,175	1,056	285
500-1,000	226	1,156	1,005	1,304	755	702	1,698
Under 500	592	1,530	888	628	350	366	523
F A R M							
\$3,000 & over	0	50	225	368	375	150	356
2,000-3,000	8	266	426	468	585	102	54
1,500-2,000	17	318	324	536	415	498	802
1,000-1,500	0	270	426	1,176	545	204	1,768
500-1,000	50	712	1,068	1,296	1,240	450	1,640
Under 500	151	1,306	1,230	1,508	880	804	2,156

Column

- 1 Column 1 of Part a.
- 2-6 Columns 2-6 of Part a multiplied by the number per family in the given size of family group.
- 7 Difference between the number in all families (the product of the average number per family in BLS *Bulletin 822*, Table 2, p. 70, and the total number of families in col. 8 of Part a) and the number in 2-6 person families (col. 2-6).

BLS-BHE Survey for 1941 (cont.)

494

c Total Income per Consuming Unit and per Capita, by Size of Unit and by Income Class (dollars)

Money Income Class	Total Income per Consuming Unit						Total Income per Capita						
	FAMILIES OF						FAMILIES OF						
	SINGLE PERSONS (1)	2 or more persons (2)	3 persons (3)	4 persons (4)	5 persons (5)	5 or more persons (6)	SINGLE PERSONS (7)	2 persons (8)	3 persons (9)	4 persons (10)	5 persons (11)	6 persons (12)	Over 6 persons (13)
	URBAN												
\$5,000 & over	13,501	10,620	10,457	11,014	10,845	10,335	13,501	5,228	3,671	2,711	2,067	1,722	1,300
3,000-5,000	3,764	3,940	3,764	3,979	4,010	4,002	3,764	1,882	1,326	1,002	800	667	507
2,500-3,000	2,816	2,936	2,907	2,948	2,948	2,927	2,816	1,454	983	737	585	488	357
2,000-2,500	2,300	2,393	2,326	2,450	2,452	2,375	2,300	1,163	817	613	475	396	287
1,500-2,000	1,814	1,885	1,895	1,860	1,959	1,864	1,814	948	620	490	373	311	237
1,000-1,500	1,340	1,389	1,397	1,380	1,411	1,375	1,340	698	460	353	275	229	157
500-1,000	849	889	882	944	801	880	849	441	315	200	176	147	107
Under 500	433	515	531	457	457	488	433	266	152	114	98	81	69
	RURAL NONFARM												
\$3,000 & over	4,133	4,563					4,133	2,282	1,521	1,141	913	760	572
2,000-3,000	2,840	2,638					2,840	1,319	879	660	528	440	341
1,500-2,000	2,189	1,942					2,189	971	647	486	388	324	227
1,000-1,500	1,354	1,446					1,354	723	482	362	289	241	167
500-1,000	912	990					912	495	330	248	198	165	127
Under 500	374	517					374	258	172	129	103	86	69
	FARM												
\$3,000 & over	...	5,781					...	2,890	1,927	1,445	1,156	964	795
2,000-3,000	2,597	3,071					2,597	1,536	1,024	768	614	512	455
1,500-2,000	1,880	2,317					1,880	1,158	772	579	463	386	266
1,000-1,500	...	1,783					...	892	594	446	357	297	214
500-1,000	1,090	1,274					1,090	637	425	318	255	212	149
Under 500	435	707					435	354	236	177	141	118	82

Notes to Section D, Part c

Column

U R B A N

- 1, 7 BLS *Bulletin* 822, Table 18, pp. 95-100. For the \$3,000-5,000 and \$5,000 and over classes, for which the source does not show data, the entries are for 2 person families with \$3,000-5,000 incomes, and 3 person families with \$10,000 and over incomes, respectively.
- 2 *Ibid.* Since the figure for the \$10,000 and over class in the source is larger than that used for any size group, it was disregarded. The entry is calculated by dividing total income for the \$5,000 and over class (Part e) by the number of families (Part a).
- 3 *Ibid.* For the \$5,000 and over class the entry is a weighted average of the income of 2 person families with \$5,000-10,000 incomes, and 3 person families with \$10,000 and over incomes, the weights being those in *ibid.*, Table 10, p. 34.
- 4 *Ibid.* For the under \$500 class the entry for 4 person families is used. For the \$5,000 and over class the entry is a weighted average of the \$5,000-10,000 and \$10,000 and over classes, the weights being those in *ibid.*, Table 10, p. 34.
- 5, 6 *Ibid.* For the \$5,000 and over class the entry is a weighted average, derived as for column 4.
- 8-10 Columns 3-5 divided by the number per family in the given size of family group.
- 11-13 Column 6 divided by the number per family in the given size of family group. The average number in families of over 6 is calculated by dividing column 7 of Part b by column 7 of Part a.

R U R A L N O N F A R M A N D F A R M

- 1, 7 Calculated from the per unit and the per family income data in Department of Agriculture *Miscellaneous Publication* 520, Tables 4 and 49, pp. 25 and 156-7, respectively, and the weights in BLS *Bulletin* 822, Table 10, p. 33. From the total income of families and single persons (the product of the number of units and per unit income) is deducted the total income of families (the product of the number of families and per family income). The residual, divided by the number of single persons, yields their per capita income. For rural nonfarm the entry for the \$3,000 and over class is that for the \$3,000-5,000 class, since the sample does not have units in classes over \$5,000. For farm the entries for the under \$500 and \$500-1,000 classes are weighted averages of those for their component classes.
- 2 Department of Agriculture *Miscellaneous Publication* 520, Table 49, pp. 156-7. For rural nonfarm the entry for the \$3,000 and over class is a weighted average of those for the \$3,000-5,000 and the \$5,000 and over classes. Total income for the latter is the difference between the total income for all income classes (the product of the per family income in BLS *Bulletin* 822, Table 3, p. 71, and the number of families, *ibid.*, Table 1, p. 68) and the total income of families with incomes under \$5,000 (see notes to col. 1). Dividing the total income of the \$5,000 and over class by the number of families (*ibid.*) yields per family income.
- For farm, the entries for the under \$500, \$500-1,000, and \$3,000 and over classes are weighted averages of those for their component classes. For the \$5,000 and over component classes, per family income for urban families is used (see above).
- 8-13 Column 2 divided by the number per family in the given size of family group. The average number in families of over 6 is calculated by dividing column 7 of Part b by column 7 of Part a.

BLS-BHE Survey for 1941 (cont.)

d Rank of per Capita Income, All Consuming Units

MONEY INCOME CLASS	FAMILIES OF						
	SINGLE PERSONS (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	Over 6 Persons (7)
U R B A N							
\$5,000 & over	1	2	5	9	14	19	28
3,000-5,000	4	16	26	35	46	54	67
2,500-3,000	8	22	36	51	62	70	90
2,000-2,500	11	29	45	60	73	83	101
1,500-2,000	18	39	58	69	87	98	109
1,000-1,500	25	53	75	92	102	111	122
500-1,000	44	78	97	115	118	125	131
Under 500	81	104	123	130	133	136	138
R U R A L N O N F A R M							
\$3,000 & over	3	12	21	32	40	50	64
2,000-3,000	7	27	43	55	65	79	93
1,500-2,000	13	37	56	71	84	95	112
1,000-1,500	24	52	72	88	100	108	120
500-1,000	41	68	94	107	116	121	128
Under 500	86	105	119	127	132	134	137
F A R M							
\$3,000 & over	..	6	15	23	31	38	47
2,000-3,000	10	20	34	49	59	66	76
1,500-2,000	17	30	48	63	74	85	103
1,000-1,500	..	42	61	77	89	99	113
500-1,000	33	57	82	96	106	114	124
Under 500	80	91	110	117	126	129	135

Rank of per capita in columns 7-13 of Part c from highest to lowest.

BLS-BHE Survey for 1941 (concl.)

f. Number of Persons and Their Total Income Cumulated by the Order Class of Their Per Capita Income

ORDER CLASS OF PER CAPITA INCOME	NUMBER OF PERSONS				T O T A L I N C O M E			
	In Order Class (thousands)	Cumulated by Order Class (thousands)	Selected Level in Col. 3 as % of Total, Col. 3 (4)	Log of Col. 4 (5)	Of Persons in Order Class (thousands of dollars)	Cumulated by Order Class (7)	Selected Level in Col. 7 as % of Total, Col. 7 (8)	Log of Col. 8 (9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	23	23			310,523	310,523		
2	294	317			1,537,032	1,847,555		
3	28	345			115,724	1,963,279		
4	41	386			154,324	2,117,603		
5	528	914			1,938,288	4,055,891		
6	50	964			144,500	4,200,391		
7	28	992			79,520	4,279,911		
8	120	1,112	0.868	-0.06148	337,920	4,617,831	5.419	0.73392
9	1,896	3,008	2.349	0.37088	5,140,056	9,757,887	11.450	1.05881
10	8	3,016			20,176	9,778,663		
11	222	3,238			510,600	10,289,263		
12	260	3,498			593,320	10,882,583		
13	8	3,506	2.738	-0.43743	17,512	10,900,095	12.791	1.10690
14	1,110	4,616	3.604	0.55678	2,294,370	13,194,465	15.483	1.18986
15	225	4,841	3.780	0.57749	433,575	13,628,040	15.992	1.20390
16	1,720	6,561	5.123	0.70952	3,237,040	16,865,080	19.790	1.29645
17	17	6,578			31,960	16,897,040		
18	374	6,952			678,436	17,575,476		
19	720	7,672			1,239,840	18,815,316		
20	266	7,938			408,576	19,223,892		
21	423	8,361			643,383	19,867,275		
*								
138 & total	134	128,072			9,246	85,219,689		

For the procedure by which the income share of a given upper percentage band is calculated, see Appendix 3, Section A.

* Each order class up to 138 was covered but it would be too space consuming to show all here; hence the gap between the 21st and the 138th class.

1 Representing the ranks of the per capita in Part d.
 2 Number of persons, Part b, whose per capita income rank is that indicated in column 1.
 6 From Part e.

Section E: Census Samples for 1944, 1945, 1947, and 1948

Because our procedure differs in merely minor respects from sample to sample, only that for 1948 is shown. For 1944, 1945, and 1947 the basic material is from Bureau of the Census releases, Series P-S, No. 22, Series P-60, No. 2, and Series P-60, No. 5, supplemented for 1944 and 1945 by data provided for our confidential use by A. Ross Eckler, Bureau of the Census.

Survey of 1948 Consumer Income

a Number of Consuming Units by Size of Unit and by Income Level

TOTAL MONEY INCOME LEVEL	FAMILIES OF						
	INDIVIDUALS (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons* (5)	6 Persons* (6)	7 or more Persons (7)
U R B A N							
\$10,000 & over	18,243	139,806	187,230	199,424	101,523	72,912	64,898
6,000-9,999	48,648	574,758	649,064	734,464	403,731	275,184	201,710
5,000-5,999	66,891	598,059	692,751	505,856	306,930	110,544	98,224
4,500-4,999	79,053	450,486	430,629	325,888	151,104	76,440	57,882
4,000-4,499	109,458	566,991	630,341	481,536	238,461	101,136	57,882
3,500-3,999	152,025	730,098	674,028	549,632	254,988	116,424	64,898
3,000-3,499	352,698	970,875	830,053	578,816	304,569	123,480	98,224
2,500-2,999	425,670	722,331	692,751	535,040	212,490	104,664	53,497
2,000-2,499	674,991	854,370	611,618	408,576	167,631	88,200	70,160
1,500-1,999	638,505	652,428	299,568	233,472	89,718	43,512	41,219
1,000-1,499	863,502	590,292	268,363	155,648	70,830	38,808	42,973
500- 999	1,325,658	497,088	174,748	97,280	33,954	9,408	18,417
Under 500	1,319,577	411,651	93,615	58,368	25,971	15,288	7,016
Total	6,074,919	7,759,233	6,234,759	4,864,000	2,361,000	1,176,000	877,000
R U R A L N O N F A R M							
\$10,000 & over	5,935	33,020	24,530	60,027	23,391	16,169	18,056
6,000-9,999	7,122	149,860	176,170	125,511	116,955	32,338	38,064
5,000-5,999	7,122	144,780	122,650	174,624	66,105	34,523	39,528
4,500-4,999	5,935	76,200	100,350	114,597	60,003	28,842	28,792
4,000-4,499	13,057	121,920	191,780	145,520	91,530	52,440	25,376
3,500-3,999	30,862	167,640	227,460	181,900	82,377	34,523	56,120
3,000-3,499	48,667	203,200	314,430	251,022	116,955	55,936	56,120
2,500-2,999	37,984	238,760	314,430	196,452	131,193	45,011	50,752
2,000-2,499	62,911	299,720	287,670	216,461	142,380	52,440	64,904
1,500-1,999	92,586	304,800	178,400	121,873	73,224	36,271	36,112
1,000-1,499	112,765	261,620	151,640	121,873	82,377	27,094	39,528
500- 999	331,173	289,560	84,740	70,941	22,374	7,429	30,744
Under 500	434,442	248,920	55,750	40,018	11,187	14,421	3,416
Total	1,190,561	2,540,000	2,230,000	1,820,819	1,020,051	437,437	487,512
R U R A L F A R M							
\$10,000 & over	3,476	37,466	23,640	35,644	21,918	17,856	24,684
6,000-9,999	1,738	45,981	44,128	68,742	64,068	46,656	46,376
5,000-5,999	3,476	32,357	66,192	52,193	66,249	30,528	32,164
4,500-4,999		25,545	52,008	39,463	20,232	10,944	19,448
4,000-4,499	3,476	39,169	50,432	59,831	42,150	25,344	26,928
3,500-3,999	13,035	97,071	63,040	82,745	53,109	35,712	28,424
3,000-3,499	21,725	105,586	140,264	138,757	80,085	57,600	55,352
2,500-2,999	18,249	107,289	160,752	124,754	91,044	53,568	76,296
2,000-2,499	25,201	141,349	185,968	160,398	117,177	64,512	59,092
1,500-1,999	46,926	158,379	204,880	128,573	69,126	66,240	104,720
1,000-1,499	83,424	257,153	234,824	160,398	80,085	59,328	89,012
500- 999	175,538	292,916	189,120	128,573	100,317	57,600	101,728
Under 500	473,605	364,442	160,752	94,202	67,440	50,112	83,776
Total	869,869	1,704,703	1,576,000	1,274,273	843,000	576,000	748,000

* Not shown separately for 1944 and 1945.

Calculated from Current Population Report, Series P-60, No. 6, Table 3, p. 17.

Survey of 1948 Consumer Income (cont.)

b Total Number of Persons by Size of Consuming Unit and by Income Level

TOTAL MONEY INCOME LEVEL	FAMILIES OF						
	INDIVIDUALS (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	7 or more Persons (7)
U R B A N							
\$10,000 & over	18,243	279,612	561,690	797,696	507,615	437,472	525,674
6,000-9,999	48,648	1,149,516	1,947,192	2,937,856	2,018,655	1,651,104	1,633,851
5,000-5,999	66,891	1,196,118	2,078,253	2,023,424	1,534,650	663,264	795,614
4,500-4,999	79,053	900,972	1,291,887	1,303,552	755,520	458,640	468,844
4,000-4,499	109,458	1,133,982	1,891,023	1,926,144	1,192,305	606,816	468,844
3,500-3,999	152,025	1,460,196	2,022,084	2,198,528	1,274,940	698,544	525,674
3,000-3,499	352,698	1,941,750	2,490,159	2,315,264	1,522,845	740,880	795,614
2,500-2,999	425,670	1,444,662	2,078,253	2,140,160	1,062,450	627,984	433,326
2,000-2,499	674,991	1,708,740	1,834,854	1,634,304	838,155	529,200	568,296
1,500-1,999	638,505	1,304,856	898,704	933,888	448,590	261,072	333,874
1,000-1,499	863,502	1,180,584	805,089	622,592	354,150	232,848	348,081
500- 999	1,325,658	994,176	524,244	389,120	165,270	56,448	149,178
Under 500	1,319,577	823,302	280,845	233,472	129,855	91,728	56,830
Total	6,074,919	15,518,466	18,704,277	19,456,000	11,805,000	7,056,000	7,103,700
R U R A L N O N F A R M							
\$10,000 & over	5,935	66,040	73,590	240,108	116,955	97,014	146,254
6,000-9,999	7,122	299,720	528,510	502,044	584,775	194,028	308,318
5,000-5,999	7,122	289,560	367,950	698,496	330,525	207,138	320,177
4,500-4,999	5,935	152,400	301,050	458,388	300,015	173,052	233,215
4,000-4,499	13,057	243,840	575,340	582,080	457,650	314,640	205,546
3,500-3,999	30,862	335,280	682,380	727,600	411,885	207,138	454,572
3,000-3,499	48,667	406,400	943,290	1,004,088	584,775	335,616	454,572
2,500-2,999	37,984	477,520	943,290	785,808	655,965	270,066	411,091
2,000-2,499	62,911	599,440	863,010	865,844	711,900	314,640	525,722
1,500-1,999	92,586	609,600	535,200	487,492	366,120	217,626	292,507
1,000-1,499	112,765	523,240	454,920	487,492	411,885	162,564	320,177
500- 999	331,173	579,120	254,220	283,764	111,870	44,574	249,026
Under 500	434,442	497,840	167,250	160,072	55,935	86,526	27,670
Total	1,190,561	5,080,000	6,690,000	7,283,276	5,100,255	2,624,622	3,948,847
R U R A L F A R M							
\$10,000 & over	3,476	74,932	70,920	142,576	109,590	107,136	199,940
6,000-9,999	1,738	91,962	132,384	274,968	320,340	279,936	375,646
5,000-5,999	3,476	64,714	198,576	208,772	181,245	183,168	260,528
4,500-4,999	...	51,090	156,024	157,852	101,160	65,664	157,529
4,000-4,499	3,476	78,338	151,296	239,324	210,750	152,064	218,117
3,500-3,999	13,035	194,142	189,120	330,980	265,545	214,272	230,234
3,000-3,499	21,725	211,172	420,792	555,028	400,425	345,600	448,351
2,500-2,999	18,249	214,578	482,256	499,016	455,220	321,408	617,998
2,000-2,499	25,201	282,698	557,904	641,592	585,885	387,072	478,645
1,500-1,999	46,926	316,758	614,640	514,292	345,630	397,440	848,232
1,000-1,499	83,424	514,306	704,472	641,592	400,425	355,968	720,997
500- 999	175,538	585,832	567,360	514,292	501,585	345,600	823,997
Under 500	473,605	728,884	482,256	376,808	337,200	300,672	678,586
Total	869,869	3,409,406	4,728,000	5,097,092	4,215,000	3,456,000	6,058,800

Column

1 Column 1 of Part a.

2-7 Columns 2-7 of Part a multiplied by the number of persons in the given size of family group. For families of 7 or more, the average size is assumed to be 8.1, that of nonrelief families in the NRC study for 1935-36 (*Consumer Incomes in the United States*, Table 4, p. 21).

Survey of 1948 Consumer Income (cont.)

c Estimated Money Income per Capita and Its Rank by Size of Unit and by Income Level, Two Assumptions

Total Money Income Level	Money Income per Capita (dollars)						Rank of Per Capitas from Highest to Lowest							
	INDIVIDUALS		FAMILIES		PERSONS		INDIVIDUALS		FAMILIES		PERSONS			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
\$10,000 & over	12,500	6,250	4,167	3,125	2,500	2,083	1,543	1	3	7	11	15	19	27
6,000-9,999	8,000	4,000	2,667	2,000	1,600	1,133	988	1	8	14	20	25	31	39
5,000-5,999	5,500	2,750	1,833	1,375	1,100	917	679	2	13	22	30	36	43	53
4,500-4,999	4,750	2,375	1,583	1,188	950	792	586	4	16	26	34	40	47	57
4,000-4,499	4,250	2,125	1,417	1,062	850	708	525	5	18	28	38	45	51	62
3,500-3,999	3,750	1,875	1,250	938	750	625	463	6	21	33	41	50	56	68
3,000-3,499	3,250	1,625	1,083	812	650	542	401	9	24	37	46	54	61	68
2,500-2,999	2,750	1,375	917	688	550	458	340	10	29	42	52	60	64	72
2,000-2,499	2,250	1,125	750	562	450	375	278	12	35	48	59	65	70	75
1,500-1,999	1,750	875	583	438	350	292	216	17	44	58	66	71	74	78
1,000-1,499	1,250	625	417	312	250	208	154	23	55	67	73	76	79	82
500-999	750	375	250	188	150	125	93	32	62	77	81	83	84	86
Under 500	200	100	67	50	40	33	25	49	69	77	81	83	84	86
								80	85	87	88	89	90	91

Column 1

as in Assumption 1. The figure of \$25,000 for the \$10,000 and over class is suggested by the average income per family and per single person on tax returns with adjusted gross income of \$10,000 and over in 1944 (the latest year for which tax data were then available).

Column 2 divided by the number of persons in the given size of family group. For the average number of persons in families of 7 or more, see notes to Part b.

Column 2

Arithmetic mean of class limits. For the under \$500 class, \$200 is used instead of \$250 to take account of units with loss. The figure of \$12,500 for the \$10,000 and over class is arbitrary.

Geometric mean of class limits. For the under \$500 class, \$200 is used

Survey of 1948 Consumer Income (cont.)

d Estimated Total Money Income by Size of Unit and by Income Level (\$000), Two Assumptions

TOTAL MONEY INCOME LEVEL	INDIVIDUALS (1)	FAMILIES OF					
		2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	7 or more Persons (7)
A S S U M P T I O N 1							
U R B A N							
\$10,000 & over	228,038	1,747,575	2,340,377	2,492,800	1,269,038	911,399	811,225
6,000-9,999	389,184	4,598,064	5,192,518	5,875,712	3,229,848	2,201,466	1,613,673
5,000-5,999	367,900	3,289,324	3,810,124	2,782,208	1,688,115	607,994	540,230
4,500-4,999	375,502	2,139,808	2,045,483	1,547,968	717,744	363,092	274,939
4,000-4,499	465,196	2,409,712	2,678,956	2,046,528	1,013,459	429,826	245,998
3,500-3,999	570,094	2,737,868	2,527,605	2,061,120	956,205	436,590	243,366
3,000-3,499	1,146,268	3,155,344	2,697,664	1,881,152	989,849	401,312	319,224
2,500-2,999	1,170,592	1,986,410	1,905,072	1,471,360	584,348	287,824	147,119
2,000-2,499	1,518,730	1,922,332	1,376,140	919,296	377,170	198,450	157,861
1,500-1,999	1,117,384	1,141,749	524,241	408,576	157,006	76,147	72,133
1,000-1,499	1,079,378	737,865	335,456	194,560	88,538	48,509	53,716
500- 999	994,244	372,816	131,061	72,960	24,790	7,056	13,812
Under 500	263,915	82,330	18,724	11,674	5,194	3,057	1,403
R U R A L N O N F A R M							
\$10,000 & over	74,188	412,750	306,625	750,338	292,388	202,112	225,701
6,000-9,999	56,976	1,198,880	1,409,362	1,004,088	935,640	258,703	304,510
5,000-5,999	39,171	796,290	674,574	960,432	363,578	189,877	217,403
4,500-4,999	28,191	361,950	476,661	544,336	285,014	137,000	136,762
4,000-4,499	55,492	518,160	815,067	618,460	389,002	222,869	107,848
3,500-3,999	115,732	628,650	852,975	682,125	308,914	129,461	210,449
3,000-3,499	158,168	660,400	1,021,894	815,822	380,104	181,793	182,388
2,500-2,999	104,456	656,590	864,686	540,243	360,781	123,779	139,570
2,000-2,499	141,550	674,370	647,258	487,037	320,355	117,990	146,035
1,500-1,999	162,026	533,400	312,198	213,278	128,142	63,475	63,196
1,000-1,499	140,956	327,025	189,552	152,341	102,971	33,867	49,410
500- 999	248,380	217,170	63,555	53,206	16,780	5,572	23,057
Under 500	86,888	49,784	11,151	8,004	2,237	2,884	683
R U R A L F A R M							
\$10,000 & over	43,450	468,325	295,500	445,550	273,975	223,200	308,549
6,000-9,999	13,904	367,848	353,024	549,936	512,544	373,247	371,007
5,000-5,999	19,118	177,964	364,055	287,062	199,370	167,905	176,901
4,500-4,999	...	121,339	247,037	187,449	96,102	51,984	92,378
4,000-4,499	14,773	166,468	214,337	254,282	179,138	107,711	114,444
3,500-3,999	48,881	364,016	236,400	310,294	199,159	133,920	106,589
3,000-3,499	70,606	343,154	455,857	450,960	260,276	187,201	179,892
2,500-2,999	50,185	295,045	442,070	343,074	250,371	147,311	209,817
2,000-2,499	56,702	318,035	418,428	360,896	263,648	145,152	132,958
1,500-1,999	82,120	277,163	358,538	225,003	120,970	115,921	183,261
1,000-1,499	104,280	321,441	293,532	200,498	100,106	74,159	111,264
500- 999	131,654	219,687	141,840	96,430	75,238	43,200	76,294
Under 500	94,721	72,888	32,152	18,840	13,488	10,021	16,754

Number of persons in given size of unit group, Part b, multiplied by the per capita income for that group, Part c.

TOTAL MONEY INCOME LEVEL	INDIVIDUALS (1)	FAMILIES OF					7 or more Persons (7)
		2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	
ASSUMPTION 2							
URBAN							
\$10,000 & over	456,075	3,495,150	4,680,748	4,985,600	2,538,075	1,822,801	1,622,451
6,000-9,999	376,827	4,452,075	5,027,650	5,689,158	3,127,300	2,131,575	1,562,452
5,000-5,999	366,362	3,275,569	3,794,204	2,770,573	1,681,056	605,447	537,970
4,500-4,999	374,948	2,136,655	2,042,473	1,545,687	716,686	362,555	274,536
4,000-4,499	464,321	2,405,176	2,673,907	2,042,676	1,011,552	429,019	245,534
3,500-3,999	568,726	2,731,297	2,521,539	2,056,173	953,910	435,542	242,783
3,000-3,499	1,142,742	3,145,635	2,689,372	1,875,364	986,804	400,075	318,246
2,500-2,999	1,165,484	1,977,742	1,896,759	1,464,940	581,798	286,568	146,473
2,000-2,499	1,509,280	1,910,371	1,367,572	913,576	374,823	197,217	156,878
1,500-1,999	1,105,891	1,130,005	518,849	404,374	155,392	75,364	71,392
1,000-1,499	1,056,926	722,517	328,476	190,513	86,696	47,501	52,599
500- 999	937,240	351,441	123,549	68,777	23,369	6,651	13,020
Under 500	263,915	82,330	18,724	11,674	5,194	3,057	1,403
RURAL NONFARM							
\$10,000 & over	148,375	825,500	613,250	1,500,675	584,775	404,225	451,401
6,000-9,999	55,167	1,160,816	1,364,613	972,208	905,933	250,490	294,845
5,000-5,999	39,007	792,960	671,755	956,416	362,057	189,082	216,494
4,500-4,999	28,150	361,417	475,960	543,534	284,594	136,798	136,561
4,000-4,499	55,388	517,185	813,531	617,296	388,270	222,450	107,644
3,500-3,999	115,455	627,141	850,928	680,488	308,172	129,151	209,944
3,000-3,499	157,681	658,368	1,018,753	813,311	378,934	181,233	181,829
2,500-2,999	104,000	653,725	860,912	537,886	359,206	123,239	138,957
2,000-2,499	140,669	670,174	643,227	484,007	318,362	117,257	145,126
1,500-1,999	160,359	527,914	308,987	211,084	126,824	62,822	62,547
1,000-1,499	138,024	320,223	185,607	149,173	100,829	33,163	48,382
500- 999	234,139	204,719	59,912	50,155	15,818	5,252	21,735
Under 500	86,888	49,784	11,151	8,004	2,237	2,884	683
RURAL FARM							
\$10,000 & over	86,900	936,650	591,000	891,100	547,950	446,400	617,099
6,000-9,999	13,463	356,169	341,815	532,476	496,271	361,397	359,230
5,000-5,999	19,038	177,219	362,534	285,861	198,536	167,201	176,161
4,500-4,999	...	121,160	246,674	187,173	95,960	51,907	92,243
4,000-4,499	14,745	166,155	213,933	253,803	178,800	107,509	114,228
3,500-3,999	48,764	363,143	235,833	309,549	198,681	133,599	106,334
3,000-3,499	70,389	342,099	454,455	449,573	259,475	186,624	179,340
2,500-2,999	49,966	293,757	440,141	341,576	249,278	146,668	208,896
2,000-2,499	56,349	316,056	415,823	358,650	262,008	144,250	132,130
1,500-1,999	81,276	274,312	354,850	222,688	119,726	114,729	181,377
1,000-1,499	102,111	314,755	287,425	196,327	98,024	72,617	108,950
500- 999	124,105	207,092	133,710	90,901	70,924	40,722	71,918
Under 500	94,721	72,888	32,152	18,840	13,488	10,021	16,754

Survey of 1948 Consumer Income (concl.)

e Number of Persons and Their Total Money Income Cumulated by the Order Class of Their per Capita Income, Two Assumptions

ORDER CLASS OF PER CAPITA INCOME (1)	NUMBER OF PERSONS			ASSUMPTION I			TOTAL MONEY INCOME		
	In Order Class (2)	Cumulated by Order Class (3)	Selected Level in Col. 3 as % of Total; Col. 3 (4)	Log of Col. 4 (5)	Of Persons in Order Class (thousands of dollars) (6)	Cumulated by Order Class (7)	Selected Level in Col. 7 as % of Total; Col. 7 (8)	Log of Col. 8 (9)	
1	27,654	27,654			345,676	345,676			
2	57,508	85,162			460,064	805,740			
3	420,584	505,746			2,628,650	3,434,390			
4	77,489	583,235			426,189	3,860,579			
5	84,988	668,223			403,693	4,264,272			
6	125,991	794,214	0.546	-0.26281	535,461	4,799,733	3.128	0.49527	
7	706,200	1,500,414	1.031	0.01326	2,942,502	7,742,235	5.046	0.70295	
8	1,541,198	3,041,612			6,164,792	13,907,027			
9	195,922	3,237,534			734,707	14,641,734			
10	423,090	3,660,624	2.516	0.40071	1,375,042	16,016,776	10.438	1.01862	
11	1,180,380	4,841,004	3.328	0.52218	3,688,688	19,705,464	12.842	1.10863	
12	481,903	5,322,907			1,325,233	21,030,697			
13	1,550,392	6,873,299	4.725	0.67440	4,263,578	25,294,275	16.484	1.21706	
14	2,608,086	9,481,385	6.518	0.81411	6,954,904	32,249,179	21.017	1.32257	
15	734,160	10,215,545	7.022	0.84646	1,835,401	34,084,580	22.213	1.34661	
16	1,104,462	11,320,007			2,623,097	36,707,677			
17	763,103	12,083,110			1,716,982	38,424,659			
18	1,456,160	13,539,270			3,094,340	41,518,999			
19	641,622	14,180,892	9.748	0.98892	1,336,711	42,855,710	27.929	1.44606	
20	3,714,868	17,895,760	12.302	1.08998	7,429,736	50,285,446	32.771	1.51549	
* & total	763,086	145,470,090			18,840	153,443,079			

A S S U M P T I O N 2

1	27,654	27,654		691,350	691,350
2	420,384	448,238		5,257,300	5,948,650
3	706,200	1,154,438		5,884,998	11,833,648
4	57,508	1,211,946	0.833	445,457	12,279,105
5	1,180,380	2,392,326	1.645	7,377,375	19,656,480
6	77,489	2,469,815		424,407	20,080,887
7	734,160	3,203,975		3,670,800	23,751,687
8	84,988	3,288,963		403,098	24,154,785
9	125,991	3,414,954		534,454	24,689,239
10	641,622	4,056,576	2.789	2,673,426	27,362,665
11	1,541,198	5,597,774	3.848	5,969,060	33,331,725
12	195,922	5,793,696		732,945	34,064,670
13	423,090	6,216,786		1,370,812	35,435,482
14	871,868	7,088,654	4.873	2,690,951	38,126,433
15	1,550,392	8,639,046	5.939	4,245,748	42,372,181
16	481,903	9,120,949	6.270	1,319,450	43,691,631
17	2,608,086	11,729,035	8.063	6,734,078	50,425,709
18	1,104,462	12,833,497		2,619,232	53,044,941
19	763,103	13,596,600	9.347	1,706,298	54,751,239
20	1,456,160	15,052,760	10.348	3,088,516	57,839,755
91 & total	763,086	145,470,090		18,840	165,935,196

For the procedure by which the income share of a given upper percentage band is calculated, see Appendix 3, Section A. For 1944 and 1945, the years for which we have countrywide totals of population (Table 69, col. 5) and of economic income (col. 12 of Table 114 plus col. 6 of Table 115), columns 3 and 7 were related to these totals also. In relating column 3 to total population, it is assumed that all or nearly all of the persons not covered by the Census Survey (residents of hotels, YMCA's, members of armed forces and civilian personnel living on military reservations, inmates and noninmate residents of institutions, etc.) would be in income classes below the upper groups and would not, therefore, affect our estimates of the shares of those groups. In relating column 7 to total economic income it is further assumed that comparison of

money income with total economic income is not appreciably affected by the inclusion of income in kind in the latter, particularly in the upper income groups.

* Each order class up to 91 was covered but it would be too space consuming to show all here; hence the gap between the 20th and the 91st class.

C o l u m n

1 Representing the ranks of the per capita in Part c.

2 Number of persons, Part b, whose per capita income rank is that indicated in column 1.

8 From Part d.

Section F: Surveys of Consumer Finances for 1945-1948

The samples on which the Survey distributions are based are small. Their subdivision by size of unit often yields cells of very few cases, sometimes only 1 each. These cells are, therefore, subject to large error. The size of the sampling errors is discussed in Methods of the Survey of Consumer Finances, *Federal Reserve Bulletin*, July 1950, pp. 795-809. We, however, cumulate the cells, which greatly reduces the sampling error attached to any one cell. The tables in this section are presented solely to illustrate our procedure, not to provide cell by cell data for use as such.

Because our procedure differs in merely minor respects from Survey to Survey, only that for 1948 is shown. For 1945, 1946, and 1947 the basic material is from the *Federal Reserve Bulletin*, July 1947 and June 1948, supplemented by data provided for our confidential use by Ralph A. Young and Duncan McC. Holthausen of the Board of Governors of the Federal Reserve System, and George Katona of the Survey Research Center, University of Michigan.

1949 Survey of Consumer Finances, Covering 1948 Income

a Number of Spending Units by Size of Unit and by Income Group (thousands)

INCOME GROUP	U N I T S								TOTAL, Col. 1-8 (9)
	1 Persons (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons ^a (6)	7 Persons (7)	8 or more Persons ^b (8)	
1 \$7,500 & over	109	817	637	685	322	84	11	12	2,677
2 5,000-7,499	306	1,943	1,388	775	401	153	136	42	5,144
3 4,000-4,999	361	1,943	1,491	1,008	500	181	172	146	5,802
4 3,000-3,999	1,127	3,054	2,468	1,919	723	395	219	229	10,134
5 2,000-2,999	2,997	3,316	2,447	1,186	795	409	236	171	11,557
6 1,000-1,999	3,314	2,452	1,244	973	476	187	140	142	8,928
7 Under 1,000	2,723	1,897	607	308	209	152	94	164	6,154
8 Total	10,937	15,422	10,282	6,854	3,427	1,562	1,008	907	50,396

Line

1-7 Calculated from line 8 by a percentage distribution supplied by the Survey Research Center.

8 The total number of spending units in column 9 is from *Federal Reserve Bulletin*, June 1949, p. 644. Its distribution was supplied by the Survey Research Center. We assumed the units whose distribution was not ascertained, 0.2 percent of the total, to be of average size and assigned them to the

3 person unit class, the class closest in size to the average for all spending units. The figure in column 9, 50.4 million, estimated originally from Bureau of the Census and Survey data, was later revised by the Survey Research Center on the basis of later Census data to 50.6 million.

^a Not shown separately for 1946 and 1947.

^b For 1945 units of 8 persons are also shown separately.

b Total Number of Persons in Each Size of Unit Class by Income Group (thousands)

INCOME GROUP	U N I T S O F								8 or more Persons (8)
	1 Person (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	7 Persons (7)	8 or more Persons (8)	
\$7,500 & over	109	1,634	1,911	2,740	1,610	504	77	102	102
5,000-7,499	306	3,886	4,164	3,100	2,005	918	952	357	357
4,000-4,999	361	3,886	4,473	4,032	2,500	1,086	1,204	1,241	1,241
3,000-3,999	1,127	6,108	7,404	7,676	3,615	2,370	1,533	1,946	1,946
2,000-2,999	2,997	6,632	7,341	4,744	3,975	2,454	1,652	1,454	1,454
1,000-1,999	3,314	4,904	3,732	3,892	2,380	1,122	980	1,207	1,207
Under 1,000	2,723	3,794	1,821	1,232	1,045	912	658	1,394	1,394

Columns 1-8 of Part a multiplied by the number of persons per unit. For column 8 the average number per unit is assumed to be 8.5 on the advice of the Survey Research Center.

1949 Survey of Consumer Finances, Covering 1948 Income (cont.)

c Estimated Money Income per Capita by Size of Unit and by Income Group (dollars)

INCOME GROUP	U N I T S O F							
	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 or more Persons (8)
\$7,500 & over	15,121	7,561	5,040	3,780	3,024	2,520	2,160	1,779
5,000-7,499	5,816	2,908	1,939	1,454	1,163	969	831	684
4,000-4,999	4,247	2,123	1,416	1,062	849	708	607	500
3,000-3,999	3,473	1,737	1,158	868	695	579	496	409
2,000-2,999	2,437	1,218	812	609	487	406	348	287
1,000-1,999	1,577	789	526	394	315	263	225	186
Under 1,000	572	286	191	143	114	95	82	67

Column

Column

1 Arithmetic mean income per spending unit, calculated by dividing the total money income for the given income group by the number of spending units in that group as shown in column 9 of Part a. Total money income for each income group was calculated by multiplying the total for

all groups, supplied by the Survey Research Center, by the percentages in the *Federal Reserve Bulletin*, July 1949, Table 1, p. 780.

2-8 Column 1 divided by the number of persons per unit. For column 8 the average number per unit is assumed to be 8.5, as in Part b.

d Rank of per Capita Income, All Units

INCOME GROUP	UNITS OF							
	1 Person (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	7 Persons (7)	8 or more Persons (8)
\$7,500 & over	1	2	4	6	8	10	12	15
5,000-7,499	3	9	14	18	21	24	27	32
4,000-4,999	5	13	19	23	26	30	34	38
3,000-3,999	7	16	22	25	31	35	39	41
2,000-2,999	11	20	28	33	40	42	44	46
1,000-1,999	17	29	37	43	45	48	49	51
Under 1,000	36	47	50	52	53	54	55	56

Rank of per capita in Part c from highest to lowest.

e Estimated Total Money Income by Size of Unit and by Income Group (thousands of dollars)

INCOME GROUP	UNITS OF							
	1 Person (1)	2 Persons (2)	3 Persons (3)	4 Persons (4)	5 Persons (5)	6 Persons (6)	7 Persons (7)	8 or more Persons (8)
\$7,500 & over	1,648,233	12,354,184	9,632,338	10,358,159	4,869,091	1,270,196	166,335	181,457
5,000-7,499	1,779,846	11,301,421	8,073,288	4,507,772	2,332,416	889,928	791,045	244,292
4,000-4,999	1,533,098	8,251,532	6,331,979	4,280,774	2,123,400	768,671	730,455	620,028
3,000-3,999	3,914,589	10,607,947	8,572,499	6,665,531	2,511,304	1,372,017	760,690	795,213
2,000-2,999	7,302,550	8,079,832	5,962,434	2,889,855	1,937,097	996,569	575,045	416,804
1,000-1,999	5,226,377	3,866,951	1,961,875	1,534,460	750,676	294,906	220,784	223,947
Under 1,000	1,557,529	1,085,084	347,192	176,176	119,548	86,941	53,765	93,802

Number of persons, Part b, multiplied by their per capita income, Part c.

1949 Survey of Consumer Finances, Covering 1948 Income (concl.)

f Number of Persons and Their Total Money Income Cumulated by Order Class of Their per Capita Income

ORDER CLASS OF PER CAPITA INCOME (1)	NUMBER OF PERSONS			TOTAL MONEY INCOME			
	In Order Class (2)	Cumulated by Order Class (3)	Selected Level in Col. 3 as % of Total, Col. 3 (4)	Of Persons in Order Class (6)	Cumulated by Order Class (7)	Selected Level in Col. 7 as % of Total, Col. 7 (8)	Log of Col. 8 (9)
1	109	109	4.997	1,648,233	1,648,233	21.197	1.32627
2	1,634	1,743	5.795	12,354,184	14,002,417	23.421	1.36961
3	306	2,049	9.685	1,779,846	15,782,263	32.609	1.51334
4	1,911	3,960	10.041	9,632,338	25,414,601	33.330	1.52284
5	361	4,321		1,533,098	26,947,699		
6	2,740	7,061		10,358,159	37,305,858		
7	1,127	8,188		3,914,589	41,220,447		
8	1,610	9,798		4,869,091	46,089,538		
9	3,886	13,684		11,301,421	57,390,959		
10	504	14,188		1,270,196	58,661,155		
11	2,997	17,185		7,302,550	65,963,705		
12	77	17,262		166,335	66,130,040		
13	3,886	21,148		8,251,532	74,381,572		
14	4,164	25,312		8,073,288	82,454,860		
15	102	25,414		181,457	82,636,317		
16	6,108	31,522		10,607,947	93,244,264		
17	3,314	34,836		5,226,377	98,470,641		
18	3,100	37,936		4,507,772	102,978,413		
* 56 & total	1,394	141,296		93,802	175,999,927		

For the procedure by which the income share of a given upper percentage band is calculated, see Appendix 3, Section A. For 1945-47, for which we have countrywide totals of population (Table 69, col. 5) and of economic income (col. 12 of Table 114 plus col. 6 of Table 115), columns 3 and 7 were related to these totals also. In relating column 3 to total population, it is assumed that all or nearly all of the persons not covered by the Survey (residents of hotels, members of armed forces living at military reservations, institutional population, etc.), would be in classes below the upper groups and would not, therefore, affect our estimates of the shares of those groups. In relating column 7 to total economic income it is further assumed that comparison of money income

with total economic income is not appreciably affected by the inclusion of income in kind in the latter, particularly in the upper income groups.

* Each order class up to 56 was covered but it would be too space consuming to show all here; hence the gap between the 18th and the 56th class.

Column

- 1 Represents the ranks of the per capita shown in Part d.
- 2 The number of persons, Part b, whose per capita income rank is that indicated in column 1.
- 6 From Part e.