

Changing Fertility in the Pacific:
The American Samoa Example

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TABLE 1: ALL WOMEN 15 TO 64 YEARS OF AGE AND CHILDREN UNDER 15 YEARS OF AGE BY AGE OF WOMAN AND AGE OF CHILD

AGE OF WOMAN	TOTAL WOMEN	CHILDREN EVER BORN SURVIVING	CEB/C'S N.S.	AGE OF CHILD															
				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
TOTAL	7722	23412	22009	35	839	757	802	772	755	766	769	702	718	715	663	602	600	564	535
15 YR	359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 YR	312	6	6	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 YR	315	9	9	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 YR	331	43	43	5	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0
19 YR	295	61	60	12	11	0	0	2	1	0	0	0	0	1	0	0	0	0	0
20 YR	291	66	64	20	13	2	2	12	10	2	2	0	0	0	0	0	0	0	0
21 YR	253	119	117	47	28	5	5	29	28	5	5	0	0	0	0	0	0	0	0
22 YR	257	164	162	47	30	8	8	47	45	8	8	1	1	0	0	0	0	0	0
23 YR	247	267	259	48	30	8	8	48	45	8	8	1	1	0	0	0	0	0	0
24 YR	245	290	285	48	33	8	8	48	45	8	8	1	1	0	0	0	0	0	0
25 YR	213	364	379	51	41	8	8	48	45	8	8	1	1	0	0	0	0	0	0
26 YR	226	413	404	56	49	8	8	62	45	8	8	1	1	0	0	0	0	0	0
27 YR	202	474	461	49	41	8	8	51	40	8	8	1	1	0	0	0	0	0	0
28 YR	176	490	481	48	41	8	8	41	37	8	8	1	1	0	0	0	0	0	0
29 YR	200	626	612	50	42	8	8	46	40	8	8	1	1	0	0	0	0	0	0
30 YR	167	529	517	34	34	8	8	34	36	8	8	1	1	0	0	0	0	0	0
31 YR	169	597	575	31	19	8	8	35	25	8	8	1	1	0	0	0	0	0	0
32 YR	123	471	452	17	27	8	8	29	25	8	8	1	1	0	0	0	0	0	0
33 YR	155	657	640	21	32	8	8	33	42	8	8	1	1	0	0	0	0	0	0
34 YR	153	765	737	20	18	8	8	20	26	8	8	1	1	0	0	0	0	0	0
35 YR	152	765	730	18	25	8	8	18	16	8	8	1	1	0	0	0	0	0	0
36 YR	144	714	696	14	15	8	8	14	16	8	8	1	1	0	0	0	0	0	0
37 YR	144	681	676	14	15	8	8	14	16	8	8	1	1	0	0	0	0	0	0
38 YR	111	636	627	11	12	8	8	11	12	8	8	1	1	0	0	0	0	0	0
39 YR	114	762	722	12	11	8	8	12	19	8	8	1	1	0	0	0	0	0	0
40 YR	135	600	578	12	10	8	8	10	19	8	8	1	1	0	0	0	0	0	0
41 YR	130	837	806	11	16	8	8	11	16	8	8	1	1	0	0	0	0	0	0
42 YR	110	866	829	10	17	8	8	10	19	8	8	1	1	0	0	0	0	0	0
43 YR	124	783	759	10	17	8	8	10	19	8	8	1	1	0	0	0	0	0	0
44 YR	133	777	739	10	17	8	8	10	19	8	8	1	1	0	0	0	0	0	0
45 YR	141	900	847	10	21	8	8	10	19	8	8	1	1	0	0	0	0	0	0
46 YR	105	691	653	9	15	8	8	9	14	8	8	1	1	0	0	0	0	0	0
47 YR	107	705	661	9	15	8	8	9	14	8	8	1	1	0	0	0	0	0	0
48 YR	93	589	557	8	14	8	8	8	14	8	8	1	1	0	0	0	0	0	0
49 YR	103	708	667	8	14	8	8	8	14	8	8	1	1	0	0	0	0	0	0
50 YR	83	572	523	7	10	8	8	7	12	8	8	1	1	0	0	0	0	0	0
51 YR	83	474	433	6	10	8	8	6	12	8	8	1	1	0	0	0	0	0	0
52 YR	60	411	366	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
53 YR	97	600	533	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
54 YR	77	491	431	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
55 YR	75	504	449	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
56 YR	72	372	329	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
57 YR	49	281	249	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
58 YR	60	393	335	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
59 YR	52	310	289	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
60 YR	44	347	296	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
61 YR	56	386	336	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
62 YR	35	199	174	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
63 YR	47	295	251	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
64 YR	47	295	251	5	10	8	8	5	12	8	8	1	1	0	0	0	0	0	0
NON-OWN CHILDREN				110	107	145	150	150	155	182	154	166	170	175	173	186	156	204	204

Table 2.

1974 CENSUS OF AMERICAN SAMOA

ESTIMATED SINGLE-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES(FEC)

PRELIMINARY
DO NOT CITE

AGE OF MOTHER	NUMBER OF YEARS PRECEDING THE 1974 CENSUS													
	< 1	1	2	3	4	5	6	7	8	9	10	11	12	13
15	6.7	3.6	13.0	19.7	4.2	4.4	4.5	5.0	10.0	7.7	16.9	18.3	9.0	11.0
16	14.2	18.0	26.9	12.6	8.6	16.3	12.0	20.0	10.7	22.2	35.2	18.3	13.0	11.0
17	35.2	47.7	67.7	29.7	29.4	32.2	31.6	46.2	7.7	34.7	44.2	15.6	13.6	11.0
18	84.1	48.2	88.0	79.5	91.7	57.6	79.6	77.3	83.4	62.3	64.7	39.0	34.1	34.7
19	107.1	76.9	88.7	124.4	141.4	123.1	129.4	121.0	129.8	124.3	95.9	111.2	109.1	59.0
20	142.0	139.7	158.5	176.4	172.3	165.6	178.6	156.5	143.6	195.9	143.0	162.1	171.8	124.2
21	203.4	203.4	229.3	237.1	225.7	181.1	205.1	210.6	194.7	253.9	219.0	182.6	215.8	174.4
22	256.2	256.2	244.6	286.2	252.3	227.3	236.5	266.6	222.0	295.4	244.4	251.7	227.2	269.3
23	224.1	267.2	315.9	322.1	244.3	256.0	319.2	291.7	276.3	400.0	261.9	310.4	319.8	315.6
24	257.1	218.9	273.2	296.9	250.6	312.2	267.9	319.9	289.1	400.0	295.4	248.8	314.9	302.0
25	280.3	218.9	273.2	296.9	284.6	312.2	267.9	319.9	318.0	321.8	350.4	248.8	314.9	302.0
26	314.9	250.5	253.3	281.2	244.0	330.1	320.1	291.7	301.8	291.6	371.8	337.4	341.9	366.2
27	300.3	232.4	281.2	257.7	256.8	330.1	368.1	330.3	327.1	279.5	368.5	334.5	201.0	395.2
28	295.6	245.0	285.7	267.7	268.7	298.0	300.7	364.8	296.3	317.5	312.5	280.7	356.3	399.6
29	224.1	187.7	268.2	321.3	310.2	318.3	249.2	289.5	240.0	369.1	305.0	141.4	317.2	346.1
30	224.1	187.7	268.2	321.3	310.2	318.3	249.2	289.5	240.0	369.1	305.0	141.4	317.2	346.1
31	189.4	194.8	194.8	159.6	230.4	246.1	350.9	236.6	333.5	314.1	357.3	331.8	279.3	325.1
32	171.9	149.4	229.8	187.3	193.8	216.2	263.4	224.4	312.0	289.3	294.0	260.7	314.4	267.5
33	149.4	168.6	213.8	187.3	220.8	224.5	267.3	234.4	298.3	255.3	297.4	258.9	241.7	251.0
34	149.4	168.6	213.8	187.3	220.8	224.5	267.3	234.4	298.3	255.3	297.4	258.9	241.7	251.0
35	149.4	168.6	213.8	187.3	220.8	224.5	267.3	234.4	298.3	255.3	297.4	258.9	241.7	251.0
36	133.3	127.3	216.6	151.4	196.5	270.3	264.0	198.0	205.3	245.6	260.6	278.8	225.2	276.5
37	96.7	115.0	149.8	159.6	172.8	256.4	243.5	180.6	215.3	236.4	171.9	175.5	157.2	139.1
38	96.7	115.0	149.8	159.6	172.8	256.4	243.5	180.6	215.3	236.4	171.9	175.5	157.2	139.1
39	82.6	120.7	112.5	107.4	127.4	195.5	146.0	139.0	135.7	127.0	128.5	126.8	119.4	161.0
40	52.5	44.5	50.8	69.8	88.2	87.6	88.0	93.9	131.0	107.7	103.2	89.6	105.1	53.9
41	67.7	44.7	43.2	73.0	62.7	109.1	84.0	74.4	111.5	107.7	64.3	42.1	54.2	32.4
42	57.6	46.0	38.5	45.3	65.0	86.8	34.8	60.4	77.5	70.5	8.1	26.0	40.2	23.9
43	23.9	65.3	16.8	47.0	52.2	46.8	14.5	39.2	35.2	16.1	0.0	31.4	22.2	34.7
44	13.9	59.7	23.3	42.1	44.9	44.9	16.8	21.2	24.1	16.6	10.1	34.7	10.7	40.3
45	10.4	28.2	29.8	32.4	21.9	43.3	20.5	8.3	24.8	22.1	11.2	33.6	12.4	25.5
46	10.4	28.2	29.8	32.4	21.9	43.3	20.5	8.3	24.8	22.1	11.2	33.6	12.4	25.5
47	10.4	28.2	29.8	32.4	21.9	43.3	20.5	8.3	24.8	22.1	11.2	33.6	12.4	25.5
48	10.4	28.2	29.8	32.4	21.9	43.3	20.5	8.3	24.8	22.1	11.2	33.6	12.4	25.5
49	10.4	28.2	29.8	32.4	21.9	43.3	20.5	8.3	24.8	22.1	11.2	33.6	12.4	25.5
50	6.2	7.0	8.1	6.9	8.1	8.4	0.0	0.0	10.7	0.0	12.0	13.5	0.0	0.0
51	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TFR	4909.7	4786.4	5478.0	5508.4	5731.1	6342.3	6281.6	6113.2	6545.2	6747.8	6520.0	6371.0	6764.2	6542.0

Table 3. Array used for Difference in Age Analysis

ID	CEB	CS /	LB	Sex	VS	MoBD	BD1	BD2	BD3	BD4	Sexes	Age1	Age2	Age3	Age4	Dif	Dif	Dif	
		FB														1-2	2-3	3-4	
1	4	2	4	2	2	44.66	66.59	68.64	71.20	73.85	2	1	21.93	23.99	26.54	23.19	2.09	2.55	2.05
1	7	2	2	1	1	49.10	71.50	72.61	74.35	0.0	1	1	22.40	23.51	27.00	0.0	1.11	0.0	2.05
1	8	2	2	1	1	47.08	70.11	71.68	74.35	0.0	1	1	22.03	24.60	27.27	0.0	1.97	0.0	2.05
1	10	2	2	2	1	34.33	59.06	60.23	68.47	0.0	1	1	24.73	25.70	34.15	0.0	1.17	1.24	0.0
1	10	2	2	1	1	50.48	70.86	71.84	73.75	0.0	1	1	20.37	21.59	23.27	0.0	0.76	1.91	0.0
1	12	2	2	1	1	48.96	68.17	69.93	71.66	72.53	2	1	19.41	20.67	22.70	23.57	1.95	1.74	0.0
1	15	2	2	1	1	35.34	61.54	63.66	65.46	70.0	1	1	28.20	29.32	30.12	0.0	2.12	1.80	0.0
2	9	2	2	1	1	43.25	65.91	68.54	71.11	73.03	1	1	26.55	27.99	27.55	23.34	2.07	1.93	0.0
2	10	2	2	1	1	45.53	72.06	73.18	74.24	0.0	2	1	26.54	27.67	31.27	0.0	1.12	0.0	2.05
2	10	1	2	1	1	50.30	65.80	69.53	74.24	0.0	2	2	22.73	26.47	31.27	0.0	3.73	4.41	0.0
2	18	2	2	1	1	42.22	69.24	70.81	73.33	0.0	2	2	26.05	27.19	30.00	0.0	0.0	0.0	0.0
2	19	2	2	1	1	27.28	59.01	60.43	64.00	0.0	1	1	31.73	33.15	36.00	0.0	1.92	0.0	0.0
2	19	2	2	1	1	44.35	71.78	72.36	73.33	0.0	1	1	27.44	28.02	28.53	0.0	1.42	0.0	0.0
2	19	2	2	1	1	7.22	28.37	30.00	33.33	0.0	1	1	21.29	22.00	23.00	0.0	0.0	0.0	0.0
2	23	2	2	1	1	46.04	67.37	73.40	77.00	0.0	2	1	21.54	27.37	30.00	0.0	5.43	0.0	0.0
2	26	2	2	1	1	21.72	40.48	43.00	47.00	0.0	2	2	15.77	16.00	16.00	0.0	0.0	0.0	0.0
2	26	2	2	1	1	40.48	63.28	65.01	71.57	0.0	1	2	24.33	24.33	31.08	0.0	0.0	0.0	0.0
2	28	2	2	1	1	44.03	66.27	69.36	71.50	0.0	1	1	22.24	25.33	27.47	0.0	1.73	0.0	0.0
2	28	2	2	1	1	48.47	67.93	69.43	74.24	0.0	1	1	19.48	20.86	25.76	0.0	3.04	2.13	0.0
2	32	2	2	1	1	42.60	70.52	72.18	74.17	0.0	2	1	28.02	29.39	31.56	0.0	1.90	0.0	0.0
2	36	2	2	1	1	25.66	50.23	52.21	56.00	0.0	1	2	24.63	25.33	30.00	0.0	1.90	1.48	0.0
2	39	2	2	1	1	21.51	46.65	48.17	50.98	75.02	2	2	23.78	25.31	28.11	30.10	1.52	2.81	2.05
2	40	2	2	1	1	48.12	68.24	73.65	77.00	0.0	0	0	0.0	0.0	0.0	0.0	1.52	0.0	0.0
2	41	2	2	1	1	36.48	64.50	67.19	71.00	0.0	1	1	20.12	25.52	30.00	0.0	3.49	0.0	0.0
2	42	2	2	1	1	40.36	64.90	67.00	71.00	0.0	2	2	24.54	26.70	34.51	0.0	3.94	1.81	0.0
2	43	2	2	1	1	47.13	64.00	70.50	74.00	0.0	1	2	17.47	23.37	26.00	0.0	3.00	0.0	0.0
2	43	2	2	1	1	44.93	60.10	66.13	68.77	0.0	1	2	15.17	21.20	24.21	0.0	3.00	0.0	0.0
2	43	2	2	1	1	46.98	67.39	69.50	71.21	0.0	2	1	20.42	22.53	24.21	0.0	2.00	0.0	0.0
2	43	2	2	1	1	44.42	65.16	66.51	68.14	70.99	2	1	20.74	22.09	23.72	26.27	1.11	1.03	0.0
2	43	2	2	1	1	21.65	50.84	58.90	62.02	0.0	1	1	34.83	37.12	40.90	0.0	1.33	1.89	0.0
2	43	2	2	1	1	42.54	60.84	62.05	64.33	0.0	1	1	17.50	19.12	21.90	0.0	2.42	1.69	0.0
2	43	2	2	1	1	34.02	60.17	71.93	74.00	0.0	2	1	20.15	27.91	30.00	0.0	2.00	0.0	0.0
2	43	2	2	1	1	41.24	67.31	68.97	70.75	0.0	1	2	26.07	27.73	29.52	0.0	1.76	1.73	0.0
2	43	2	2	1	1	49.75	72.53	74.11	77.00	0.0	1	2	22.21	24.35	26.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	47.15	69.85	71.70	74.00	0.0	1	2	22.30	24.35	26.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	40.34	71.14	72.63	74.00	0.0	1	2	30.30	32.44	34.00	0.0	1.49	0.0	0.0
2	43	2	2	1	1	47.35	72.52	74.39	77.00	0.0	1	2	24.58	26.44	28.00	0.0	1.87	0.0	0.0
2	43	2	2	1	1	40.91	70.04	70.00	74.00	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	43	2	2	1	1	47.29	70.04	70.00	74.00	0.0	2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	43	2	2	1	1	32.38	59.40	60.91	64.00	0.0	2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	43	2	2	1	1	48.06	70.85	72.08	73.32	74.13	1	1	38.42	40.26	45.29	40.07	1.91	1.23	0.0
2	43	2	2	1	1	34.11	68.13	72.07	72.10	0.0	2	2	34.02	36.20	37.97	0.0	1.24	1.74	0.0
2	43	2	2	1	1	41.71	65.30	67.76	70.00	0.0	1	1	23.35	26.05	28.00	0.0	2.20	0.0	0.0
2	43	2	2	1	1	48.72	65.70	69.50	71.00	0.0	1	1	19.58	19.74	26.00	0.0	2.41	0.0	0.0
2	43	2	2	1	1	46.10	71.96	74.64	76.00	0.0	1	2	29.86	30.12	34.00	0.0	2.00	0.0	0.0
2	43	2	2	1	1	44.70	62.52	65.32	68.71	0.0	1	2	17.82	20.12	24.00	0.0	2.00	0.0	0.0
2	43	2	2	1	1	38.60	69.88	71.73	73.00	0.0	1	2	31.19	34.12	34.70	0.0	1.87	1.13	0.0
2	43	2	2	1	1	44.78	66.84	69.11	72.00	0.0	1	2	20.19	24.00	26.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	31.99	50.22	52.04	54.72	0.0	2	1	24.33	30.19	30.00	0.0	1.47	0.0	0.0
2	43	2	2	1	1	42.04	60.40	63.18	66.98	0.0	1	2	32.70	35.14	34.28	0.0	4.17	0.0	0.0
2	43	2	2	1	1	36.70	58.40	61.48	64.98	0.0	2	2	31.93	37.00	39.70	0.0	5.68	2.00	0.0
2	43	2	2	1	1	39.46	63.48	69.54	73.16	0.0	2	2	21.93	27.00	30.00	0.0	2.00	0.0	0.0
2	43	2	2	1	1	43.74	68.79	74.19	77.00	0.0	1	2	26.05	29.44	30.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	67.23	71.32	75.00	0.0	1	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	46.60	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1	45.93	69.49	72.64	76.00	0.0	2	2	21.93	25.44	28.00	0.0	1.99	0.0	0.0
2	43	2	2	1	1</														

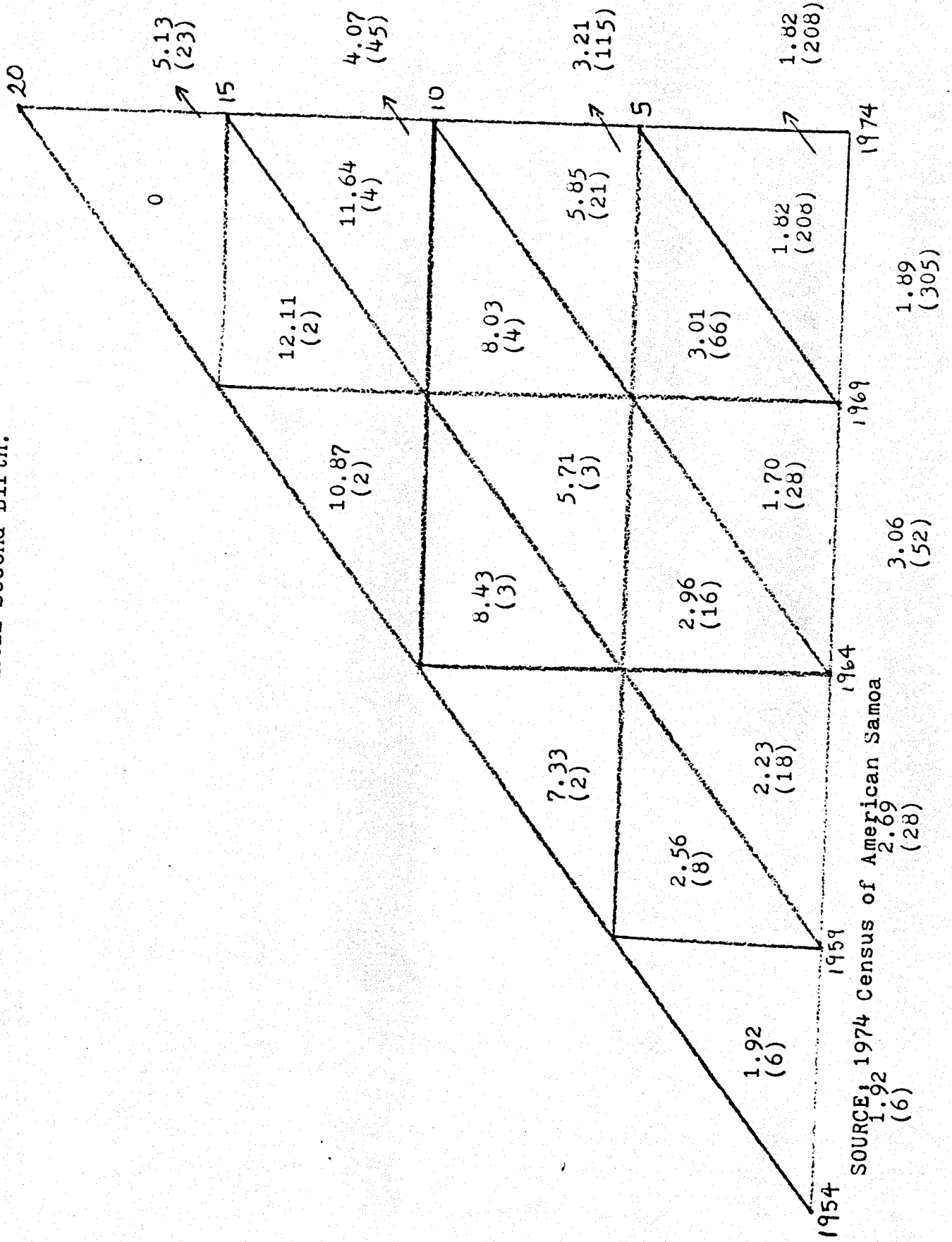
Table 4. Spacing, First Two Children by Sex

	NM	MF	FM	FP
Number of Cases	315.00	330.00	324.00	291.00
Total differences	861.85	928.06	1085.29	899.54
Mean dif, ch 1 and 2	2.74	2.81	3.35	3.09
Standard deviation	2.20	2.59	3.04	3.12
Total, age First Birth	7418.16	7771.68	7507.99	6881.60
Age, second birth	8265.21	8668.13	8580.86	7759.00
Mean, age first birth	23.55	23.55	23.17	23.65
Mean, age second birth	26.24	26.33	26.48	26.66
S.D., age first birth	4.87	5.11	4.90	5.46
S.D., age second birth	5.43	5.72	5.85	6.69

Table 5. Spacing, First Two Children for 3 Child Subsets

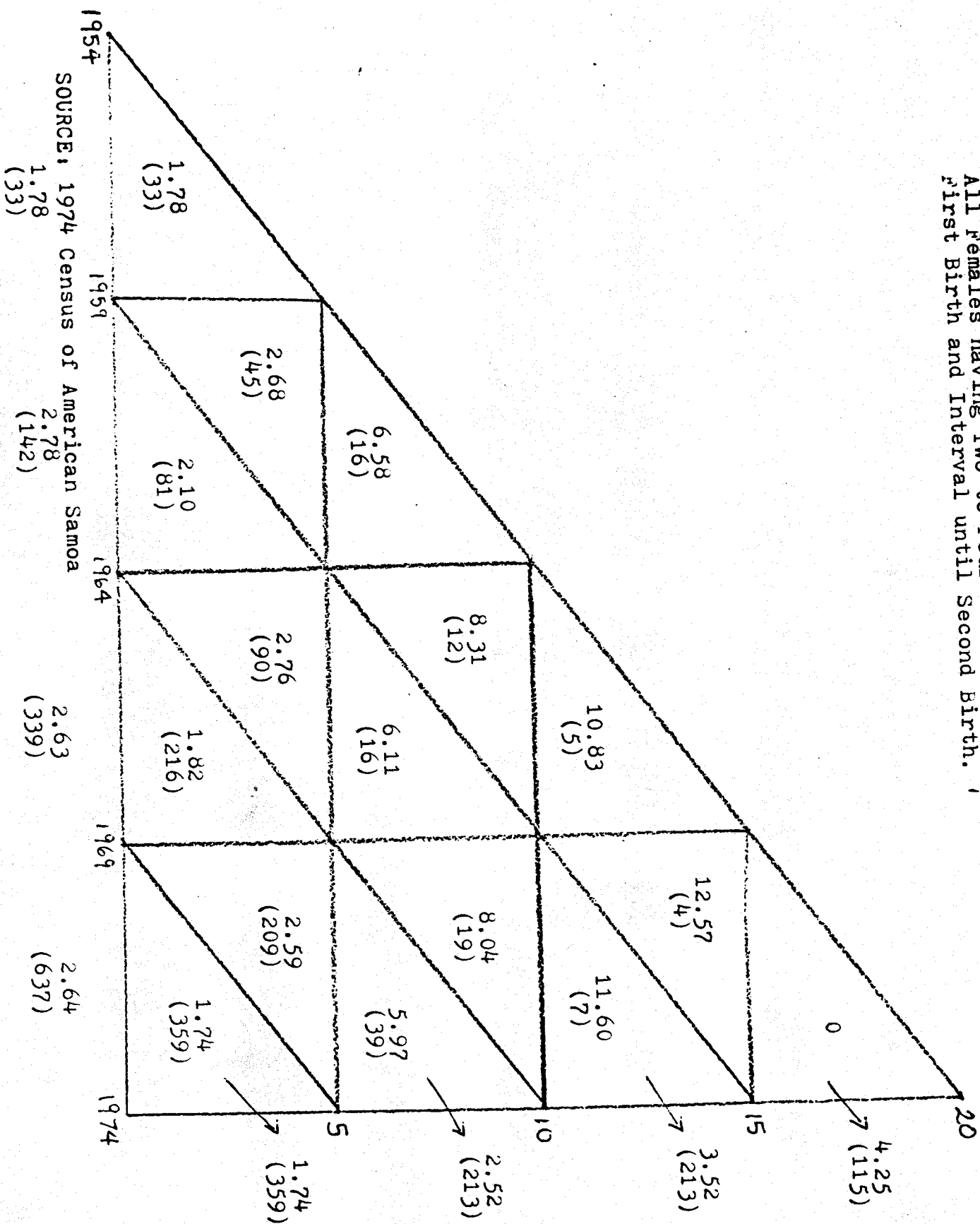
	NM	MF	FM	MF	FM	FM	FM	FM	FM	FM
Number of Cases	83.00	82.00	84.00	81.00	83.00	70.00	78.00	75.00		
Differences, Ch 1-2	239.68	173.05	206.16	204.28	216.28	219.42	221.55	204.18		
Differences, Ch 2-3	264.30	227.58	237.87	224.59	209.74	189.88	187.05	212.40		
Mean dif, Ch 1-2	2.89	2.13	2.45	2.52	2.61	3.13	2.84	2.69		
Mean dif, Ch 2-3	3.18	2.78	2.83	2.77	2.53	2.71	2.40	2.79		
S.D., Ch 1-2	2.11	1.61	2.10	1.97	2.35	2.36	2.78	2.74		
S.D., Ch 2-3	2.72	1.74	2.48	2.05	1.91	1.78	1.22	1.81		
Total, age First Birth	1915.54	1875.98	1977.55	1889.43	1869.38	1667.56	1824.33	1748.74		
Age, second birth	2147.25	2051.02	2183.71	2093.72	2085.65	1866.98	2038.17	1941.21		
Age, third birth	2409.46	2279.00	2421.58	2318.30	2295.39	2076.86	2221.45	2150.32		
Mean, age birth 1	23.08	22.88	23.54	23.33	22.82	23.62	23.39	23.01		
Mean, age birth 2	25.87	25.01	26.00	25.45	25.13	26.36	26.13	25.54		
Mean, age birth 3	29.03	27.79	28.83	28.62	27.66	29.67	28.48	28.29		
S.D., birth 1	4.97	4.25	4.79	4.62	4.02	5.28	5.65	4.85		
S.D., birth 2	5.25	4.35	5.00	4.94	4.79	5.87	6.79	5.67		
S.D., birth 3	5.95	4.64	5.56	5.17	5.35	6.47	7.08	6.39		

Table 6. Mean Difference in Age Between First and Second Children for All Females having Exactly Two Surviving Children by Year of First Birth and Interval until Second Birth.



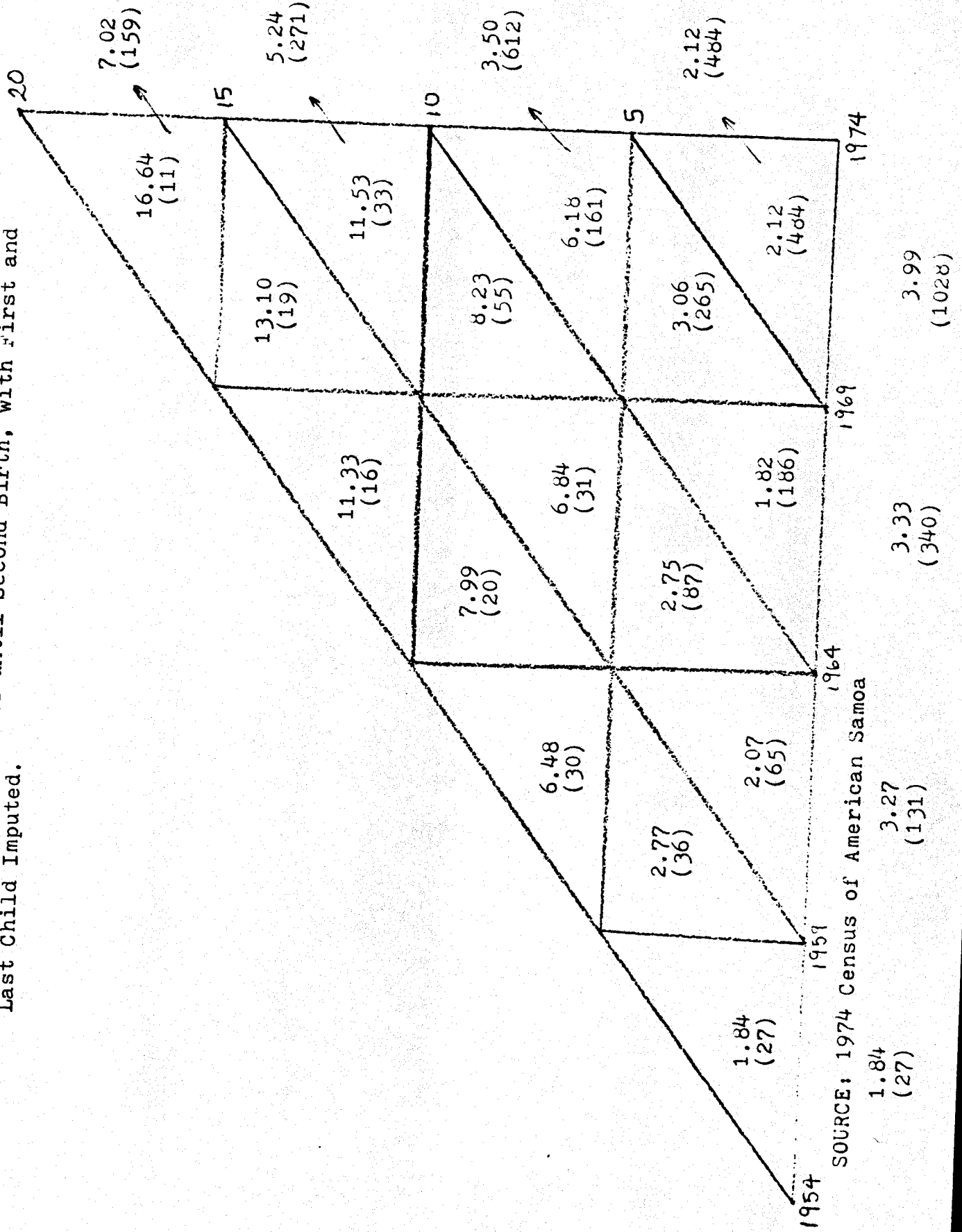
SOURCE: 1974 Census of American Samoa

Table 7. Mean Difference in Age Between First and Second Children for All Females having Two to Four Surviving Children by Year of First Birth and Interval until Second Birth.



SOURCE: 1974 Census of American Samoa

Table 8. Mean Difference in Age Between First and Second Children for All Females having Two to Four Surviving Children by Year of First Birth and Interval until Second Birth, with First and Last Child Imputed.



SOURCE: 1974 Census of American Samoa

Changing Fertility in the Pacific:
The American Samoa Example

Prepared for
EWPI Seminar Series
November 17, 1976

Michael J. Levin
Fellow

TABLE 1: ALL WOMEN 15 TO 64 YEARS OF AGE AND CHILDREN UNDER 15 YEARS OF AGE BY AGE OF WOMAN AND AGE OF CHILD

AGE OF WOMAN	TOTAL WOMEN	CHILDREN EVER BORN	CHILDREN SURVIVING	CEB/C'S N.S.	AGE OF CHILD														
					0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
TOTAL	7722	23412	22009	35	839	757	802	772	755	766	769	702	718	715	663	602	600	564	535
15 YR	359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 YR	332	6	6	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 YR	315	9	9	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0
18 YR	333	43	43	0	8	0	5	0	0	0	0	0	0	0	0	0	0	0	0
19 YR	295	61	60	0	11	13	12	4	1	0	0	0	0	0	0	0	0	0	0
20 YR	285	66	64	0	25	25	20	12	3	5	2	0	0	0	0	0	0	0	0
21 YR	291	119	117	1	42	36	29	23	10	8	5	1	0	0	0	0	0	0	0
22 YR	257	164	162	0	41	53	47	44	18	15	8	1	4	0	0	0	0	0	0
23 YR	247	267	259	0	49	48	48	48	30	28	15	1	4	0	0	0	0	0	0
24 YR	245	290	285	0	51	58	51	48	45	45	25	0	4	0	0	0	0	0	0
25 YR	245	364	379	0	59	55	57	44	45	41	36	0	3	0	0	0	0	0	0
26 YR	213	413	404	3	68	39	39	62	40	45	41	1	18	5	3	3	2	2	2
27 YR	226	543	531	1	49	41	39	51	37	40	32	25	26	14	2	2	1	1	1
28 YR	202	474	461	1	48	33	29	46	41	38	41	35	17	23	9	7	6	6	6
29 YR	176	490	481	2	50	42	50	46	50	45	57	40	42	35	16	8	6	6	6
30 YR	200	626	612	0	34	34	34	35	40	45	37	36	42	37	24	20	19	19	19
31 YR	160	529	517	1	30	19	44	35	36	34	47	36	42	41	30	24	22	22	22
32 YR	123	471	452	1	17	27	23	45	25	38	49	33	42	49	33	39	36	36	36
33 YR	155	657	640	0	21	29	30	21	42	44	44	49	36	41	39	44	40	40	40
34 YR	153	658	637	1	20	18	34	27	42	45	35	49	39	39	44	35	36	36	36
35 YR	144	765	730	1	18	15	24	20	26	45	35	49	40	39	44	35	36	36	36
36 YR	159	714	696	1	14	15	23	17	16	31	39	33	30	32	30	29	32	32	32
37 YR	131	681	647	1	6	12	23	21	23	21	32	24	30	41	31	30	34	34	34
38 YR	114	636	627	2	15	17	22	20	19	21	20	24	28	24	21	21	24	24	24
39 YR	135	762	722	1	10	17	23	10	19	22	22	19	29	32	40	30	33	33	33
40 YR	105	600	578	1	4	4	4	16	16	27	24	24	35	35	29	24	24	24	24
41 YR	130	837	806	0	9	5	6	21	19	22	26	21	35	37	35	30	30	30	30
42 YR	110	666	629	0	4	4	4	18	19	22	24	24	22	27	25	25	25	25	25
43 YR	124	783	739	0	4	5	6	15	14	18	18	16	19	27	24	24	24	24	24
44 YR	133	777	739	0	4	6	6	11	14	13	20	16	22	27	24	24	24	24	24
45 YR	143	900	847	0	3	8	8	4	14	11	16	16	12	16	16	14	14	14	14
46 YR	109	691	653	2	0	5	5	4	7	9	9	9	10	13	14	14	14	14	14
47 YR	107	705	661	1	1	2	2	4	4	9	5	5	12	11	19	19	18	18	18
48 YR	93	599	557	1	1	1	1	3	2	2	1	1	10	9	10	10	10	10	10
49 YR	103	572	523	0	0	1	1	0	0	0	0	0	5	5	17	17	17	17	17
50 YR	83	474	433	0	0	0	0	0	0	0	0	0	1	1	8	8	8	8	8
51 YR	83	411	366	0	0	0	0	0	0	0	0	0	1	1	8	8	8	8	8
52 YR	60	600	557	0	0	0	0	0	0	0	0	0	1	1	5	5	5	5	5
53 YR	97	600	533	1	0	0	0	0	0	0	0	0	1	1	4	4	4	4	4
54 YR	77	491	449	3	0	0	0	0	0	0	0	0	1	1	4	4	4	4	4
55 YR	75	504	449	1	0	0	0	0	0	0	0	0	1	1	4	4	4	4	4
56 YR	72	438	372	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
57 YR	49	281	249	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
58 YR	60	393	335	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
59 YR	60	330	289	2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
60 YR	52	330	296	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
61 YR	44	347	296	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
62 YR	56	386	336	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
63 YR	35	199	174	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
64 YR	47	295	251	1	110	107	145	150	155	182	154	166	170	175	173	186	156	204	204

NON-OWN CHILDREN

Table 2.

PRELIMINARY
DO NOT CITE

ESTIMATED SINGLE-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES (FC)

1974 CENSUS OF AMERICAN SAMOA

AGE OF WOMEN	NUMBER OF YEARS PRECEDING THE 1974 CENSUS													
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13
14	6.7	13.6	13.0	9.7	4.2	4.4	4.5	5.0	10.0	19.6	16.4	18.3	19.0	16.1
15	14.2	18.0	26.9	12.6	8.6	16.3	12.0	20.0	7.7	22.2	35.2	15.6	13.6	17.4
16	44.4	35.2	43.7	29.7	29.4	32.2	31.6	46.2	38.4	34.7	48.2	14.1	34.1	34.7
17	84.3	48.2	67.0	73.5	91.7	57.6	79.6	77.3	83.4	62.3	64.7	39.0	53.5	59.0
18	107.3	76.9	88.7	73.5	141.4	123.1	128.4	121.0	129.8	124.3	95.9	111.2	109.1	80.7
19	142.0	130.7	158.5	176.4	172.4	165.6	178.6	156.5	143.6	195.9	143.0	162.1	171.2	124.2
20	175.8	203.4	229.3	227.7	225.7	181.3	206.1	210.6	194.7	253.9	246.6	182.6	215.8	174.8
21	224.1	267.2	244.6	237.1	252.3	227.3	236.5	252.0	322.0	295.4	248.8	301.7	253.5	304.9
22	257.1	239.2	315.9	296.9	244.3	275.4	319.2	266.6	276.3	400.0	295.4	288.8	319.8	315.6
23	289.3	238.9	273.2	282.2	284.6	312.2	255.6	319.7	289.1	321.8	295.4	314.9	346.5	302.0
24	325.4	250.5	216.9	271.0	284.0	353.0	320.1	314.6	318.0	333.4	371.8	334.9	334.9	298.1
25	314.9	228.1	253.3	271.0	256.8	330.1	368.1	281.7	327.1	279.7	368.5	334.5	291.0	395.2
26	295.6	232.4	281.2	255.7	268.7	338.0	300.7	354.8	296.3	317.5	312.5	280.7	306.3	399.6
27	300.3	187.7	268.2	323.3	310.2	318.3	249.2	328.6	280.0	330.7	308.0	341.0	337.9	368.3
28	268.8	183.5	210.5	159.5	234.3	251.1	350.9	285.5	331.5	330.7	356.0	384.4	335.2	316.6
29	185.4	233.8	248.3	194.1	193.8	261.0	312.4	224.4	301.2	319.1	323.3	331.8	273.3	325.1
30	181.7	230.0	229.8	188.3	193.8	261.0	267.3	238.4	312.0	319.1	309.4	209.5	291.4	295.5
31	150.9	168.6	233.9	151.4	195.5	256.4	243.0	198.0	205.3	236.4	294.0	200.7	241.7	251.0
32	148.5	177.3	216.6	186.6	157.8	193.7	146.0	151.5	215.2	245.6	270.4	258.9	244.4	270.3
33	119.5	137.5	189.6	107.4	127.4	195.5	88.0	139.0	133.7	112.0	113.7	128.7	222.2	139.1
34	82.5	44.7	50.8	69.8	88.2	87.6	84.0	98.9	133.0	107.7	103.2	88.7	105.1	141.0
35	63.7	44.7	43.5	73.0	62.7	109.1	38.8	74.5	111.5	170.4	64.3	42.1	120.6	98.0
36	57.6	46.0	38.5	45.3	65.0	86.8	14.5	60.4	77.5	49.4	8.1	26.0	58.2	53.9
37	29.0	65.3	16.8	47.0	60.5	46.8	16.8	39.2	62.5	49.1	0.0	31.4	40.2	32.6
38	13.9	59.7	23.3	42.1	52.2	44.9	16.8	21.2	35.2	16.6	0.0	34.7	22.2	34.9
39	10.4	28.2	29.8	32.4	21.9	43.3	30.5	8.0	24.1	30.1	10.1	10.7	10.7	40.3
40	16.4	11.5	19.3	14.5	25.4	20.6	20.6	8.3	10.0	22.1	10.8	13.0	12.4	25.5
41	11.4	16.2	14.4	7.7	30.8	14.2	0.0	8.3	10.0	0.0	25.1	13.3	11.8	41.7
42	6.2	7.0	15.2	6.9	1.0	8.4	0.0	0.0	10.7	0.0	12.0	1.0	0.0	30.5
43	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TFR	4909.7	4786.4	5478.0	5508.4	5731.1	6342.3	6281.6	6113.2	6545.2	6747.8	6520.0	6371.0	6264.2	6542.0

Table 3. Array used for Difference in Age Analysis

ID	CEB	CS	FB	LB	Sex	VS	MoBD	BD1	BD2	BD3	BD4	Sexes	Age1	Age2	Age3	Age4	Dif 1-2	Dif 2-3	Dif 3-4				
1.4	2	4	4	22	1	1	30	20	44.66	66.59	68.64	71.20	73.85	2	1	1	1	1	1	1	2.05	2.55	2.95
1.7	2	3	3	23	1	1	25	2	49.10	71.50	72.61	74.35	76.00	2	1	1	1	1	1	1	1.11	1.61	2.11
1.8	2	3	3	23	1	1	27	14	47.08	70.11	68.47	74.35	76.00	2	1	1	1	1	1	1	1.57	2.07	2.57
1.10	2	3	3	25	1	1	40	15	34.33	59.06	60.23	68.47	73.75	2	1	1	1	1	1	1	1.17	1.67	2.17
1.10	2	3	3	20	1	1	24	21	50.48	70.86	71.84	73.75	75.66	2	1	1	1	1	1	1	0.98	1.48	1.98
1.12	2	4	4	20	2	1	25	2	48.96	68.37	69.93	71.66	72.53	2	1	1	1	1	1	1	1.56	2.06	2.56
1.15	2	4	4	18	1	1	39	5	35.34	61.54	63.66	65.46	66.00	2	1	1	1	1	1	1	2.12	2.62	3.12
2.2	2	2	2	22	1	1	31	1	43.25	65.91	68.58	71.11	73.03	2	1	1	1	1	1	1	2.67	3.17	3.67
2.9	2	2	2	22	1	1	29	14	43.07	65.80	69.53	74.24	76.00	2	1	1	1	1	1	1	3.73	4.23	4.73
2.10	2	2	2	22	1	1	24	19	50.32	70.00	70.81	73.00	75.00	2	1	1	1	1	1	1	1.55	2.05	2.55
2.16	2	2	2	26	1	1	31	3	43.22	69.01	70.81	73.00	75.00	2	1	1	1	1	1	1	1.42	1.92	2.42
2.18	2	2	2	27	1	1	47	6	44.35	71.78	72.36	73.33	74.33	2	1	1	1	1	1	1	0.53	1.03	1.53
2.19	2	2	2	27	1	1	30	1	47.22	71.78	72.36	73.33	74.33	2	1	1	1	1	1	1	0.83	1.33	1.83
2.23	2	2	2	21	1	1	67	1	46.04	67.37	73.40	76.00	78.00	2	1	1	1	1	1	1	0.00	0.50	1.00
2.26	2	2	2	18	1	1	53	6	21.72	40.48	45.01	51.57	56.00	2	1	1	1	1	1	1	1.73	2.23	2.73
2.28	2	2	2	20	1	1	30	3	40.48	63.28	65.01	71.57	74.00	2	1	1	1	1	1	1	3.03	3.53	4.03
2.29	2	2	2	19	1	1	30	3	44.07	66.27	69.36	74.24	77.00	2	1	1	1	1	1	1	1.50	2.00	2.50
2.32	2	2	2	28	1	1	26	16	48.47	67.93	69.43	74.24	77.00	2	1	1	1	1	1	1	1.56	2.06	2.56
2.36	2	2	2	28	1	1	32	16	42.60	70.52	72.18	74.17	76.00	2	1	1	1	1	1	1	1.52	2.02	2.52
2.39	2	2	2	24	1	1	49	9	25.66	50.23	52.22	58.00	63.00	2	1	1	1	1	1	1	0.00	0.50	1.00
2.40	2	2	2	24	1	1	31	1	42.86	66.65	68.17	70.98	73.00	2	1	1	1	1	1	1	5.40	5.90	6.40
2.41	2	2	2	20	1	1	53	1	21.51	40.00	45.00	51.00	56.00	2	1	1	1	1	1	1	2.24	2.74	3.24
2.42	2	2	2	20	1	1	26	1	36.48	64.50	67.19	71.00	74.00	2	1	1	1	1	1	1	0.00	0.50	1.00
2.45	2	2	2	24	1	1	34	1	40.36	64.90	67.50	71.00	74.00	2	1	1	1	1	1	1	0.00	0.50	1.00
3.11	2	2	2	22	1	1	29	5	47.13	64.00	66.10	68.77	70.00	2	1	1	1	1	1	1	0.00	0.50	1.00
3.14	2	2	2	22	1	1	27	1	46.98	65.16	68.51	71.21	73.69	2	1	1	1	1	1	1	6.03	6.53	7.03
3.17	2	2	2	22	1	1	30	1	44.42	65.48	68.90	71.61	74.00	2	1	1	1	1	1	1	2.11	2.61	3.11
3.18	2	2	2	22	1	1	53	6	21.65	56.48	58.90	62.65	64.33	2	1	1	1	1	1	1	1.35	1.85	2.35
3.18	2	2	2	20	1	1	32	6	42.54	60.04	62.65	64.33	66.00	2	1	1	1	1	1	1	2.62	3.12	3.62
3.18	2	2	2	20	1	1	40	2	34.02	60.17	61.93	64.00	66.00	2	1	1	1	1	1	1	1.76	2.26	2.76
4.9	2	2	2	22	1	1	33	3	41.24	67.31	68.97	70.75	72.00	2	1	1	1	1	1	1	1.55	2.05	2.55
4.10	2	2	2	22	1	1	27	17	47.15	69.85	71.14	72.55	74.00	2	1	1	1	1	1	1	1.82	2.32	2.82
4.11	2	2	2	27	1	1	34	3	47.15	69.85	71.14	72.55	74.00	2	1	1	1	1	1	1	1.48	1.98	2.48
4.15	2	2	2	25	1	1	26	14	40.34	71.14	72.63	74.39	76.00	2	1	1	1	1	1	1	0.00	0.50	1.00
4.20	2	2	2	25	1	1	34	14	40.01	70.00	72.52	74.39	76.00	2	1	1	1	1	1	1	0.00	0.50	1.00
4.22	2	2	2	22	1	1	27	3	47.29	70.34	70.91	73.32	74.13	2	1	1	1	1	1	1	0.00	0.50	1.00
4.26	2	2	2	22	1	1	41	3	32.98	69.40	70.91	73.32	74.13	2	1	1	1	1	1	1	1.51	2.01	2.51
4.28	2	2	2	22	1	1	26	1	48.06	70.85	72.08	73.10	74.13	2	1	1	1	1	1	1	1.23	1.73	2.23
4.30	2	2	2	24	1	1	40	16	34.11	68.13	70.37	72.10	74.13	2	1	1	1	1	1	1	2.24	2.74	3.24
4.34	2	2	2	24	1	1	33	3	41.71	65.26	67.76	70.00	72.00	2	1	1	1	1	1	1	2.50	3.00	3.50
4.35	2	2	2	25	1	1	28	11	46.70	62.52	65.32	68.71	71.00	2	1	1	1	1	1	1	2.63	3.13	3.63
4.42	2	2	2	22	1	1	36	1	38.60	69.88	71.73	72.90	74.00	2	1	1	1	1	1	1	1.15	1.65	2.15
5.19	2	2	2	22	1	1	29	15	44.78	66.88	69.61	70.72	72.00	2	1	1	1	1	1	1	3.27	3.77	4.27
5.20	2	2	2	22	1	1	42	4	31.89	66.22	62.01	68.48	70.00	2	1	1	1	1	1	1	5.82	6.32	6.82
5.22	2	2	2	22	1	1	32	4	42.04	66.01	62.18	68.48	70.00	2	1	1	1	1	1	1	4.17	4.67	5.17
5.26	2	2	2	22	1	1	38	3	36.70	68.80	69.54	72.16	74.00	2	1	1	1	1	1	1	2.50	3.00	3.50
5.30	2	2	2	22	1	1	42	16	33.46	68.79	74.15	76.00	78.00	2	1	1	1	1	1	1	0.00	0.50	1.00
5.34	2	2	2	22	1	1	31	1	42.83	70.23	71.32	73.00	74.00	2	1	1	1	1	1	1	0.00	0.50	1.00
5.38	2	2	2	22	1	1	28	1	46.50	69.49	72.64	75.00	77.00	2	1	1	1	1	1	1	0.00	0.50	1.00

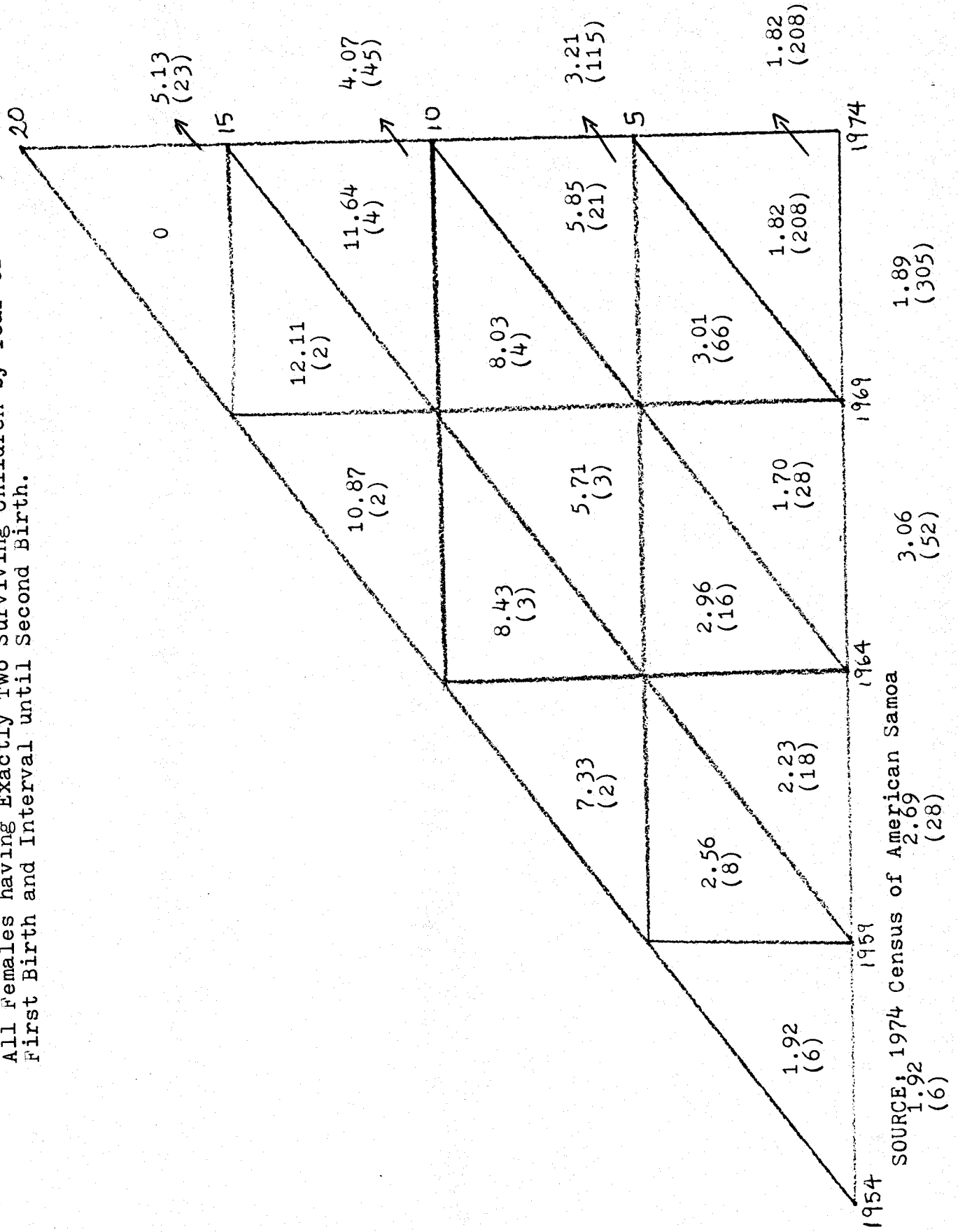
Table 4. Spacing, First Two Children by Sex

	MM	MF	FM	FF
Number of Cases	315.00	330.00	324.00	291.00
Total differences	861.85	928.06	1085.29	899.54
Mean dif, ch 1 and 2	2.74	2.81	3.35	3.09
Standard deviation	2.20	2.59	3.04	3.12
Total, age First Birth	7418.16	7771.68	7507.99	6881.60
Age, second birth	8265.21	8688.13	8580.86	7759.00
Mean, age first birth	23.55	23.55	23.17	23.65
Mean, age second birth	26.24	26.33	26.48	26.66
S.D., age first birth	4.87	5.11	4.90	5.46
S.D., age second birth	5.43	5.72	5.85	6.69

Table 5. Spacing, First Two Children for 3 Child Sibsets

	MMM	MMF	MFM	MFF	FFM	FFM	FFF
Number of Cases	83.00	82.00	84.00	81.00	83.00	70.00	76.00
Differences, Ch 1-2	239.68	175.05	206.16	204.28	216.28	219.42	221.55
Differences, Ch 2-3	264.30	227.98	237.87	224.59	209.74	189.88	187.05
Mean dif, Ch 1-2	2.89	2.13	2.45	2.52	2.61	3.13	2.84
Mean dif, Ch 2-3	3.18	2.78	2.83	2.77	2.53	2.71	2.40
S.D., Ch 1-2	2.11	1.61	2.10	1.97	2.35	2.36	2.78
S.D., Ch 2-3	2.72	1.74	2.48	2.05	1.91	1.78	1.22
Total, age First Birth	1915.54	1875.98	1977.55	1889.43	1869.38	1667.56	1824.33
Age, second birth	2147.25	2051.02	2183.71	2093.72	2085.65	1886.98	2038.17
Age, third birth	2409.46	2279.00	2421.58	2318.30	2295.39	2076.86	2221.45
Mean, age birth 1	23.08	22.88	23.54	23.33	22.52	23.82	23.39
Mean, age birth 2	25.87	25.01	26.00	25.85	25.13	26.96	26.13
Mean, age birth 3	29.03	27.79	28.83	28.62	27.66	29.67	28.48
S.D., birth 1	4.97	4.25	4.79	4.62	4.02	5.28	5.65
S.D., birth 2	5.25	4.35	5.00	4.94	4.79	5.87	6.79
S.D., birth 3	5.95	4.64	5.56	5.17	5.35	6.47	7.08

Table 6. Mean Difference in Age Between First and Second Children for All Females having Exactly Two Surviving Children by Year of First Birth and Interval until Second Birth.



SOURCE: 1974 Census of American Samoa
 1.92 (6)
 2.69 (28)
 3.06 (52)
 1.89 (305)

Table 7. Mean Difference in Age Between First and Second Children for All Females having Two to Four Surviving Children by Year of First Birth and Interval until Second Birth.

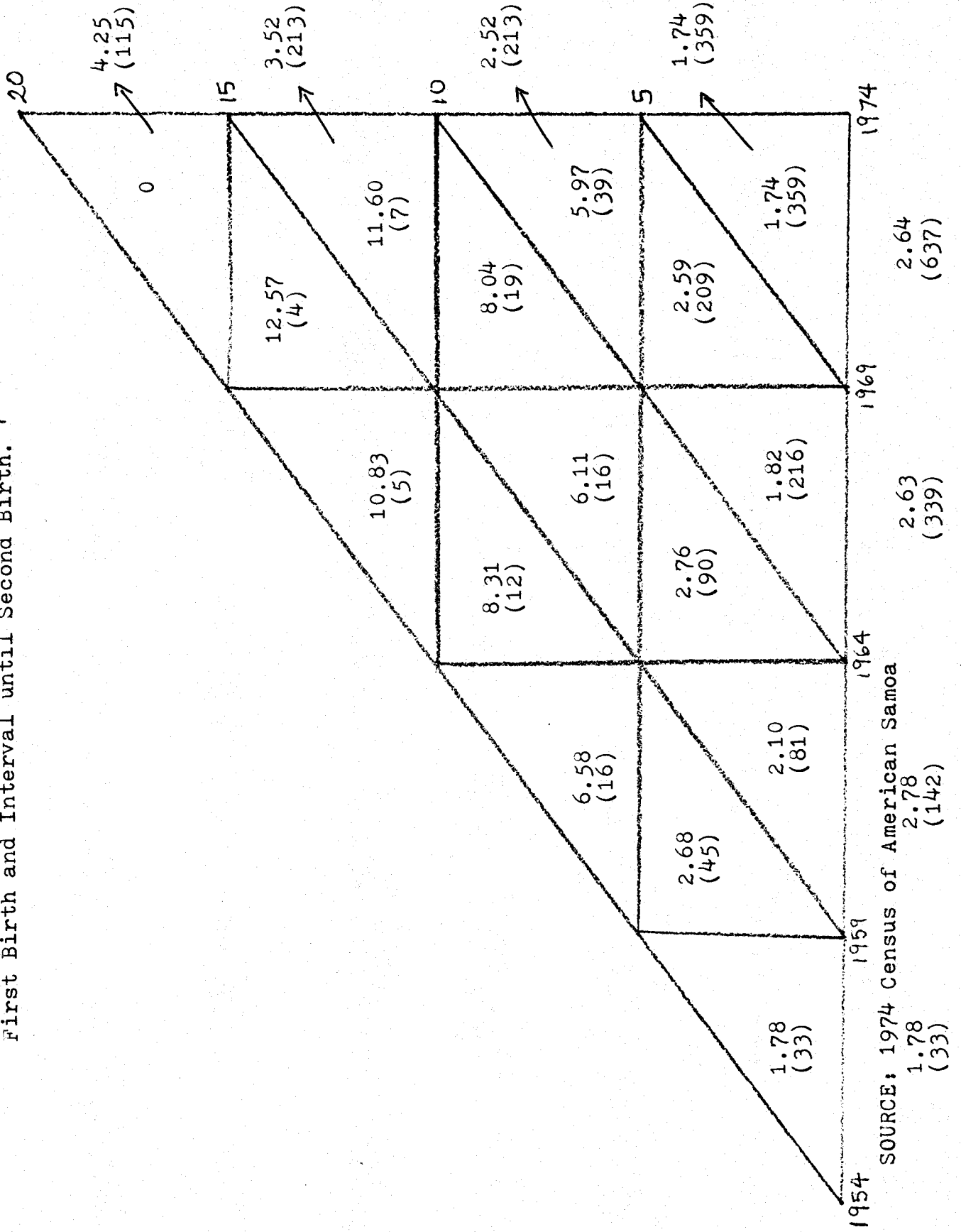
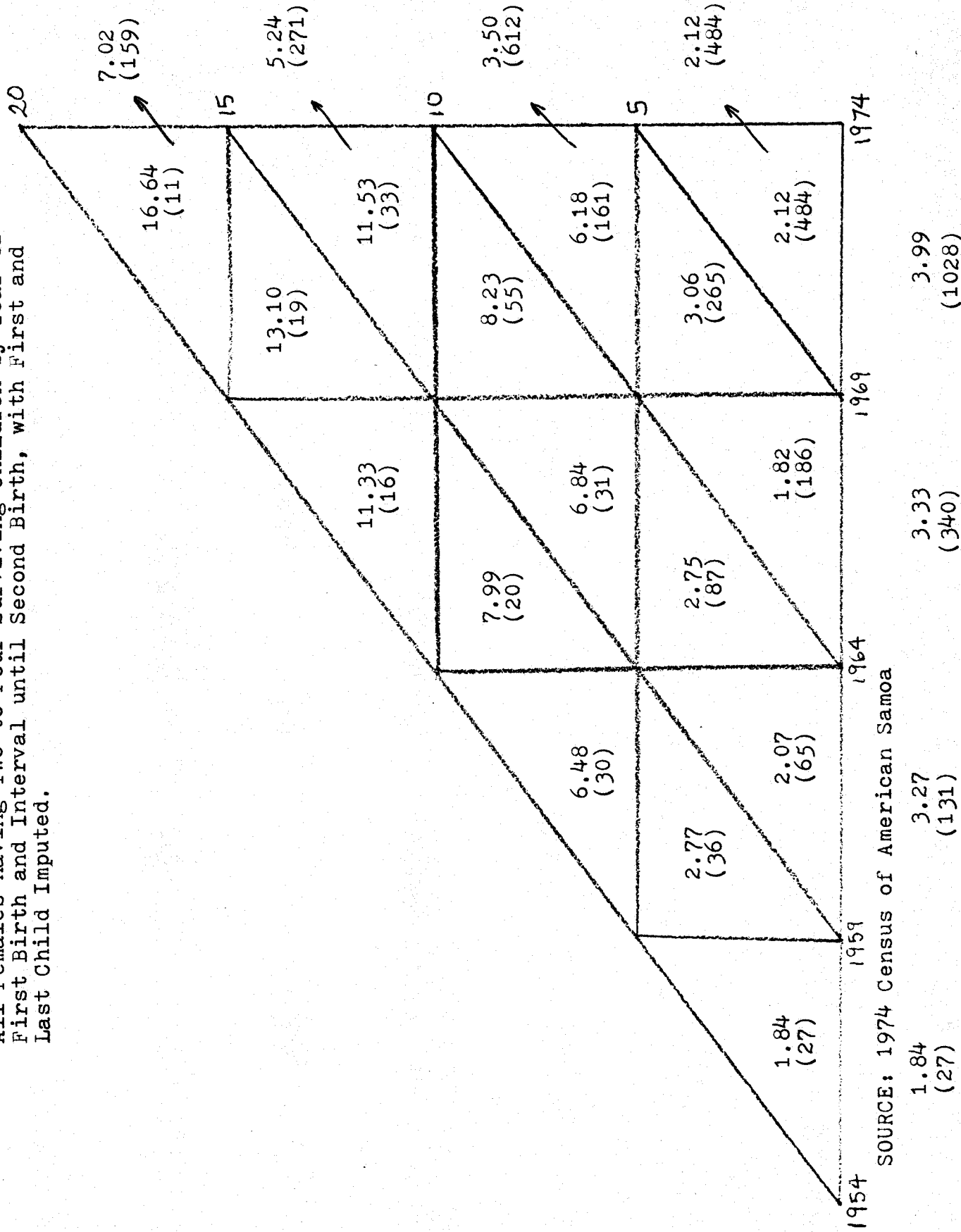


Table 8. Mean Difference in Age Between First and Second Children for All Females having Two to Four Surviving Children by Year of First Birth and Interval until Second Birth, with First and Last Child Imputed.



SOURCE: 1974 Census of American Samoa

FERTILITY DATA SET - FEMALES WITH 2 TO 4 SURVIVING CHILDREN ONLY

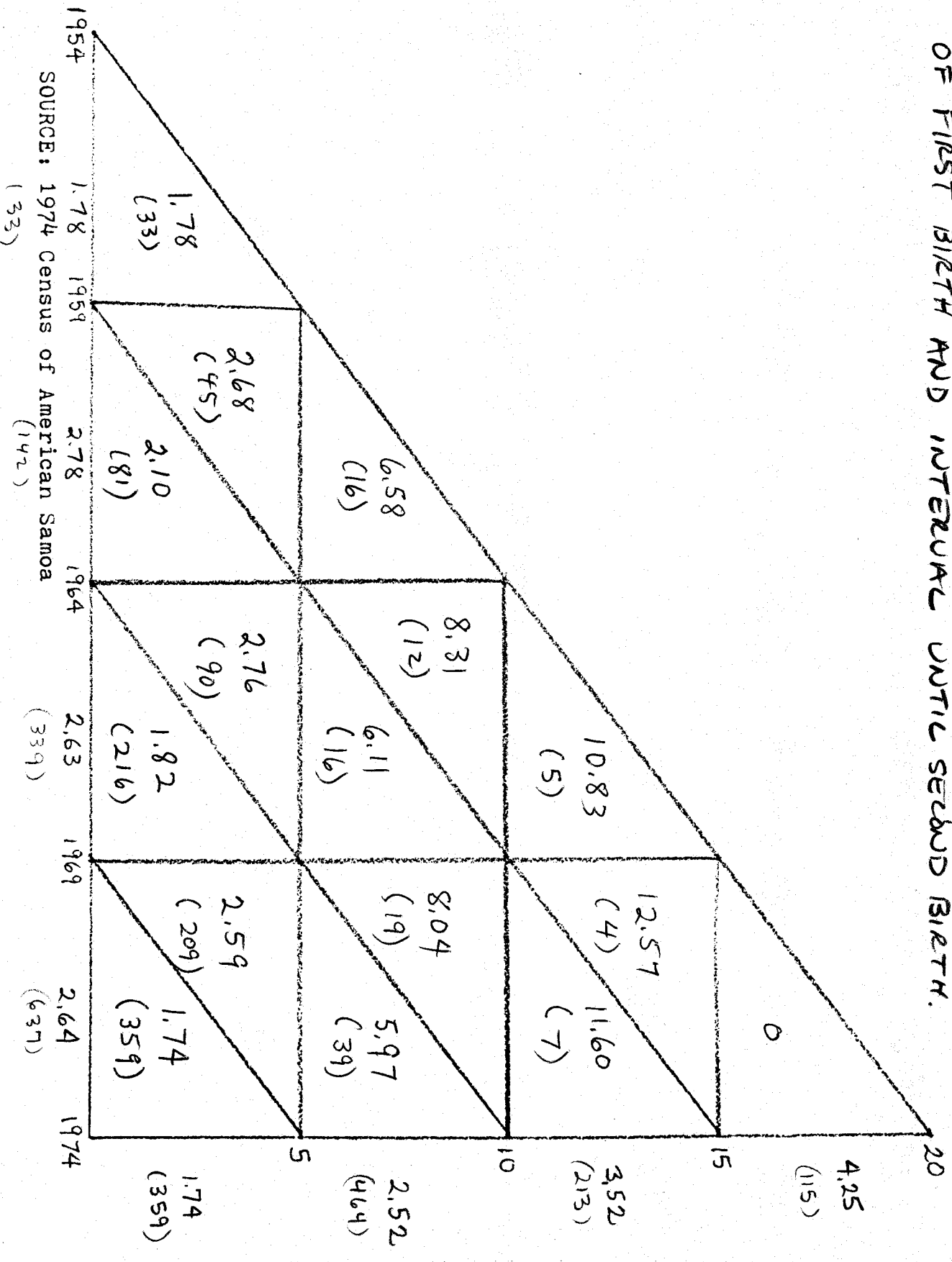
VARIABLE	COLUMN	NAME
1	1-2	ID
2	3-5	HH
3	6-7	PN
4	8	sex
5	9	CEB
6	10	CS
7	11-12	Age at first birth
8	* 13-16	Date of last birth
9	17	Sex of last birth
10	18	Vital status last birth
11	19-20	Age of mother
12	21-22	Interval since last birth
13	* 23-26	Mother's Birthday
14	* 27-30	
15	* 31-34	
16	* 35-38	
17	* 39-42	
18, 19, 20, 21	43, 44, 45, 46	Sex of children
22, 23, 24, 25	* 47-50, 51-54 *	Age of mother at birth of children
	* 55-58, 59-62 *	
26	✓ 63, 66, 67-70 *	Difference in age between adjacent children.
27	71-74 *	
28		

1.4	7.2	2.2	2.2	2.2	4.4	2.2	73.85	1.1	1.1	30.20	44.66	66.59	68.64	71.20	73.85	2.1	1.1	21.93	23.99	26.54	29.19	2.05	2.55	2.05
1.8	9.2	2.2	2.2	2.2	3.7	2.2	74.35	1.1	1.1	27.14	47.08	70.11	71.68	74.35	0.0	2.2	22.40	23.51	27.27	0.0	1.11	2.66	0.0	
1.10	7.7	2.2	2.2	2.2	3.3	2.2	73.75	1.1	1.1	40.5	34.43	59.06	60.23	68.47	0.0	1.1	24.77	25.35	34.15	0.0	1.17	8.24	0.0	
1.12	3.2	2.2	2.2	2.2	4.2	2.2	72.53	1.1	1.1	24.21	50.48	70.86	71.84	73.75	0.0	1.1	19.41	20.37	23.27	0.0	1.36	1.74	0.0	
1.15	3.5	2.2	2.2	2.2	4.4	2.2	65.46	1.1	1.1	35.5	48.96	61.54	63.68	65.46	0.0	1.1	22.50	23.32	30.12	0.0	2.12	1.80	0.0	
2.10	2.2	2.2	2.2	2.2	3.3	2.2	73.09	1.1	1.1	31.1	43.25	65.91	68.59	71.11	0.0	2.2	22.54	23.35	27.45	0.0	3.97	2.53	0.0	
2.10	1.1	2.2	2.2	2.2	3.3	2.2	74.34	1.1	1.1	29.14	45.53	72.06	73.18	74.34	0.0	2.2	22.54	23.35	27.45	0.0	3.97	2.53	0.0	
2.18	2.2	2.2	2.2	2.2	4.4	2.2	70.81	1.1	1.1	31.1	50.30	69.80	70.81	73.09	0.0	2.2	22.54	23.35	27.45	0.0	3.97	2.53	0.0	
2.19	2.2	2.2	2.2	2.2	3.7	2.2	73.33	1.1	1.1	30.47	44.35	71.78	72.36	73.33	0.0	2.2	21.77	22.78	27.37	0.0	3.83	2.48	0.0	
2.19	3.3	2.2	2.2	2.2	2.2	2.2	73.40	1.1	1.1	28.6	46.04	67.51	68.40	71.50	0.0	2.2	21.54	22.54	27.13	0.0	3.83	2.48	0.0	
2.26	3.7	2.2	2.2	2.2	4.4	2.2	71.50	1.1	1.1	34.3	40.43	63.28	65.01	67.73	0.0	2.2	22.24	23.24	27.83	0.0	3.03	2.15	0.0	
2.28	2.2	2.2	2.2	2.2	4.5	2.2	74.22	1.1	1.1	30.26	48.47	67.93	69.43	74.24	0.0	2.2	19.44	20.44	25.03	0.0	3.03	2.15	0.0	
2.32	2.2	2.2	2.2	2.2	4.3	2.2	74.17	1.1	1.1	32.49	42.60	70.52	72.18	74.17	0.0	2.2	24.03	25.03	29.62	0.0	3.03	2.15	0.0	
2.36	2.2	2.2	2.2	2.2	4.5	2.2	73.19	1.1	1.1	49.6	25.66	50.29	52.22	70.98	0.0	2.2	23.78	24.78	29.37	0.0	3.03	2.15	0.0	
2.39	2.2	2.2	2.2	2.2	4.4	2.2	73.13	1.1	1.1	31.53	42.86	66.65	68.17	70.98	0.0	2.2	23.78	24.78	29.37	0.0	3.03	2.15	0.0	
2.40	2.2	2.2	2.2	2.2	4.4	2.2	73.65	1.1	1.1	26.31	48.12	68.24	69.73	71.65	0.0	2.2	20.12	21.12	25.71	0.0	3.03	2.15	0.0	
2.41	2.2	2.2	2.2	2.2	4.3	2.2	71.08	1.1	1.1	34.3	36.44	64.50	67.19	70.98	0.0	2.2	24.03	25.03	29.62	0.0	3.03	2.15	0.0	
2.42	2.2	2.2	2.2	2.2	4.4	2.2	73.58	1.1	1.1	24.34	40.36	64.90	66.40	70.98	0.0	2.2	24.03	25.03	29.62	0.0	3.03	2.15	0.0	
2.45	2.2	2.2	2.2	2.2	4.4	2.2	72.22	1.1	1.1	27.29	44.93	60.10	66.15	68.77	0.0	2.2	17.47	18.47	23.06	0.0	3.03	2.15	0.0	
3.11	2.2	2.2	2.2	2.2	4.4	2.2	72.85	1.1	1.1	27.1	46.98	67.19	69.50	71.21	0.0	2.2	17.47	18.47	23.06	0.0	3.03	2.15	0.0	
3.15	2.2	2.2	2.2	2.2	4.4	2.2	73.15	1.1	1.1	30.3	44.65	65.16	66.51	68.14	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
3.17	2.2	2.2	2.2	2.2	4.4	2.2	62.65	1.1	1.1	32.6	42.54	60.04	62.65	64.33	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
3.18	2.2	2.2	2.2	2.2	4.4	2.2	70.76	1.1	1.1	33.41	41.24	60.17	61.93	70.76	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.09	2.2	2.2	2.2	2.2	4.4	2.2	74.11	1.1	1.1	24.33	49.75	72.59	74.11	76.00	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.10	2.2	2.2	2.2	2.2	4.4	2.2	71.70	1.1	1.1	27.34	47.15	69.85	71.70	73.39	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.15	2.2	2.2	2.2	2.2	4.4	2.2	72.62	1.1	1.1	34.26	40.34	71.14	72.63	74.39	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.20	2.2	2.2	2.2	2.2	4.4	2.2	70.94	1.1	1.1	27.37	47.95	72.52	74.39	76.00	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.22	2.2	2.2	2.2	2.2	4.4	2.2	73.30	1.1	1.1	34.4	40.01	70.94	72.63	74.39	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.26	2.2	2.2	2.2	2.2	4.4	2.2	73.19	1.1	1.1	27.41	47.29	69.44	70.98	72.63	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.28	2.2	2.2	2.2	2.2	4.4	2.2	73.34	1.1	1.1	41.1	32.98	69.44	70.98	72.63	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.30	2.2	2.2	2.2	2.2	4.4	2.2	74.18	1.1	1.1	26.16	48.06	70.85	72.08	73.32	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.35	2.2	2.2	2.2	2.2	4.4	2.2	74.76	1.1	1.1	40.33	34.11	68.13	70.37	72.10	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.37	2.2	2.2	2.2	2.2	4.4	2.2	71.01	1.1	1.1	33.3	41.71	65.26	67.76	71.01	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
4.42	2.2	2.2	2.2	2.2	4.4	2.2	74.64	1.1	1.1	28.11	46.10	71.96	74.64	76.00	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.19	2.2	2.2	2.2	2.2	4.4	2.2	68.71	1.1	1.1	30.36	44.72	69.82	71.73	73.32	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.19	2.2	2.2	2.2	2.2	4.4	2.2	74.27	1.1	1.1	29.15	44.78	69.88	69.61	70.98	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.20	2.2	2.2	2.2	2.2	4.4	2.2	70.18	1.1	1.1	42.4	38.60	69.84	71.73	73.32	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.22	2.2	2.2	2.2	2.2	4.4	2.2	70.18	1.1	1.1	32.38	42.04	66.22	67.04	70.98	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.23	2.2	2.2	2.2	2.2	4.4	2.2	70.98	1.1	1.1	4.3	31.89	58.80	68.48	70.98	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.26	2.2	2.2	2.2	2.2	4.4	2.2	72.16	1.1	1.1	38.2	32.46	63.48	69.54	72.16	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.30	2.2	2.2	2.2	2.2	4.4	2.2	74.16	1.1	1.1	40.16	33.74	68.78	74.16	76.00	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.34	2.2	2.2	2.2	2.2	4.4	2.2	71.52	1.1	1.1	31.31	42.46	63.48	67.93	71.52	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.38	2.2	2.2	2.2	2.2	4.4	2.2	73.44	1.1	1.1	28.8	48.89	70.98	73.44	75.00	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	
5.38	2.2	2.2	2.2	2.2	4.4	2.2	75.64	1.1	1.1	1.2	46.50	69.49	72.64	74.39	0.0	2.2	17.50	18.50	23.09	0.0	3.03	2.15	0.0	

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5	19	2	2	2	2	22	74	27	1	1	29	15	44	78	66	84	69	61	71	73	72	90	0	0	0	0	26	07	27	71	21	59	0	0	1	56	1	75	0	0			
5	20	2	2	2	2	22	70	18	1	1	32	4	31	89	56	22	62	04	70	72	0	0	0	2	2	2	2	26	07	27	71	21	59	0	0	1	56	1	75	0	0		
5	22	2	2	2	2	22	70	18	1	1	32	4	31	89	56	22	62	04	70	72	0	0	0	2	2	2	2	26	07	27	71	21	59	0	0	1	56	1	75	0	0		
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5	26	2	2	2	2	22	70	18	1	1	32	4	31	89	56	22	62	04	70	72	0	0	0	2	2	2	2	26	07	27	71	21	59	0	0	1	56	1	75	0	0		
5	30	2	2	2	2	22	74	16	1	1	42	16	42	74	63	48	69	54	74	16	0	0	0	2	2	2	2	26	07	27	71	21	59	0	0	1	56	1	75	0	0		
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5	34	1	1	2	2	22	71	16	1	1	31	16	42	83	67	93	71	32	0	0	0	0	2	2	2	2	26	07	27	71	21	59	0	0</									

~~STAYS NOT ADDED~~ ~~all offspring~~

TABLE 9: MARRIAGE DIFFERENCE IN AGE BETWEEN FIRST AND SECOND CHILDREN FOR ALL FEMALES HAVING TWO TO FOUR SURVIVING CHILDREN BY YEAR OF FIRST BIRTH AND INTERVAL UNTIL SECOND BIRTH.



SOURCE: 1974 Census of American Samoa (142)

(33)

(339)

(637)

TABLE: MEAN DIFFERENCE IN AGE BETWEEN FIRST AND SECOND CHILD^{born for} EXACTLY TWO SURVIVING CHILDREN UNTIL SECOND BIRTH INTERVAL

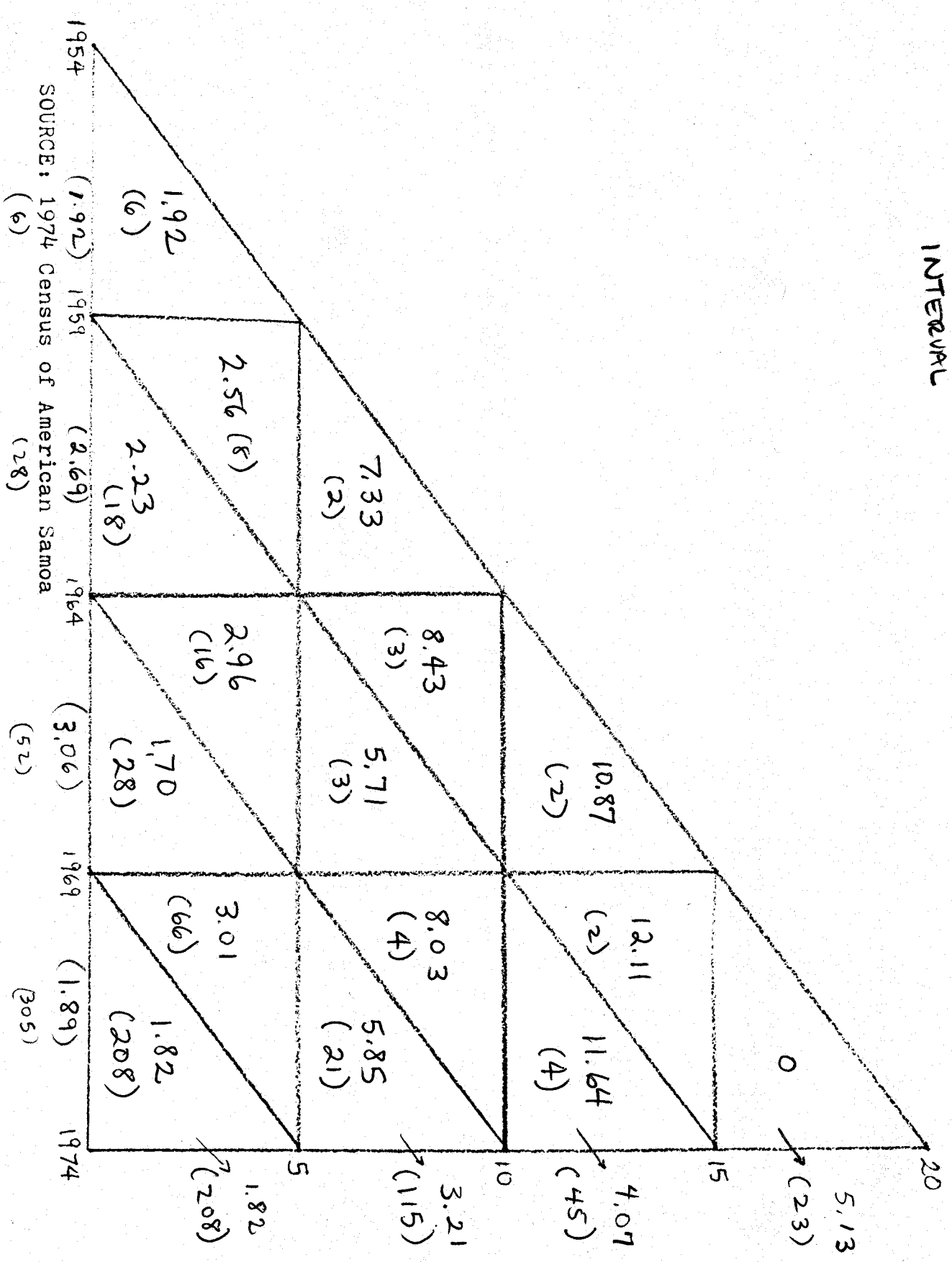
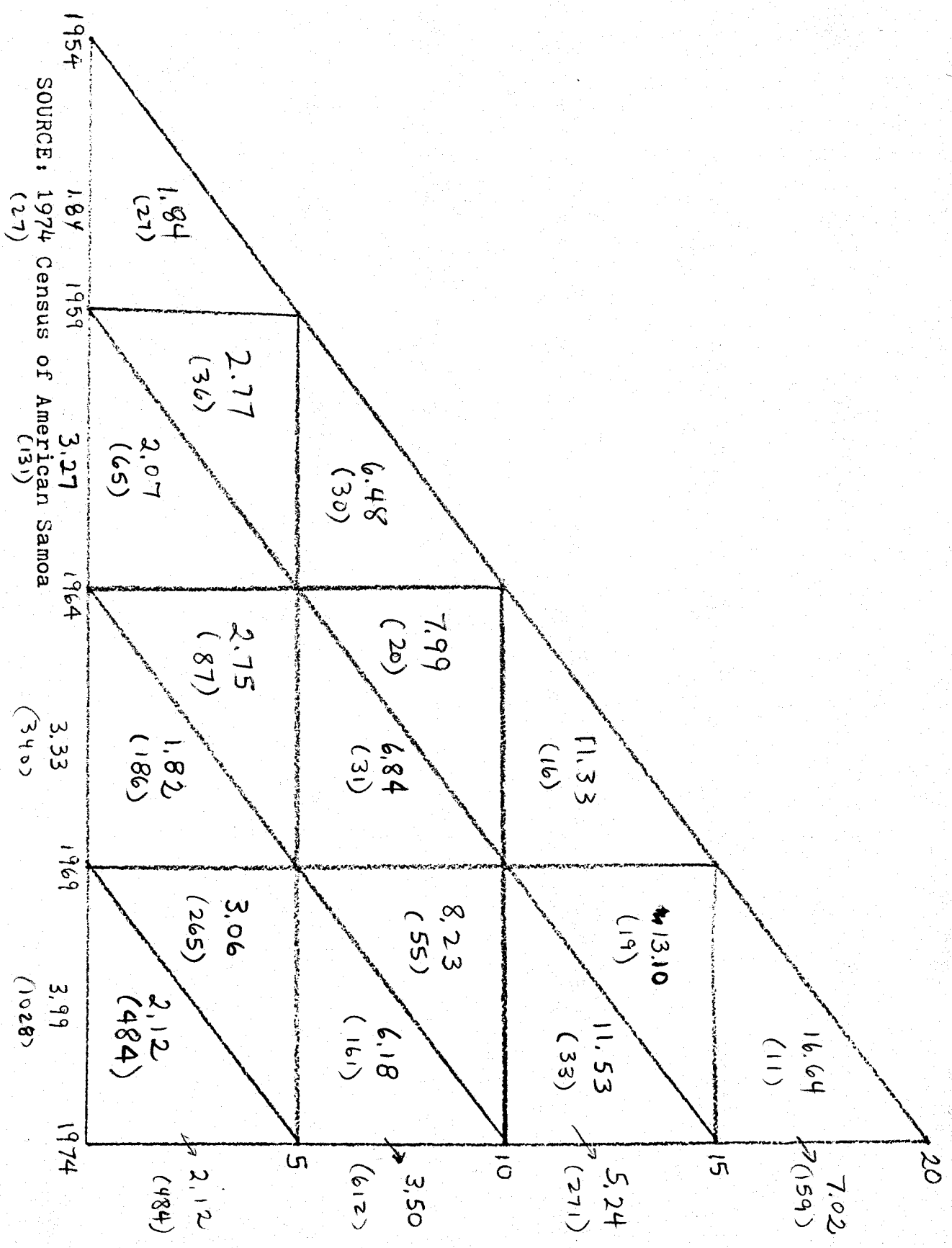
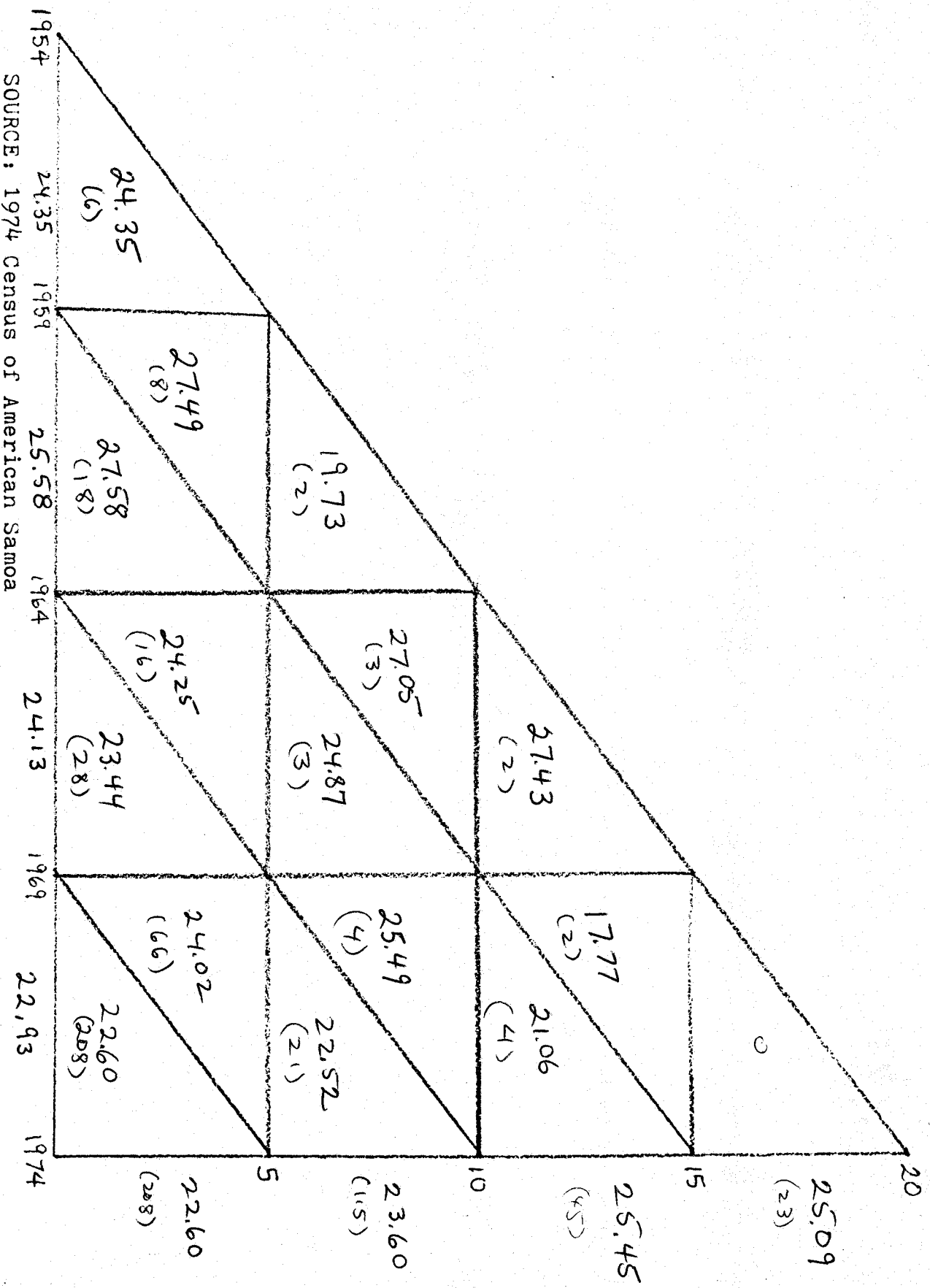


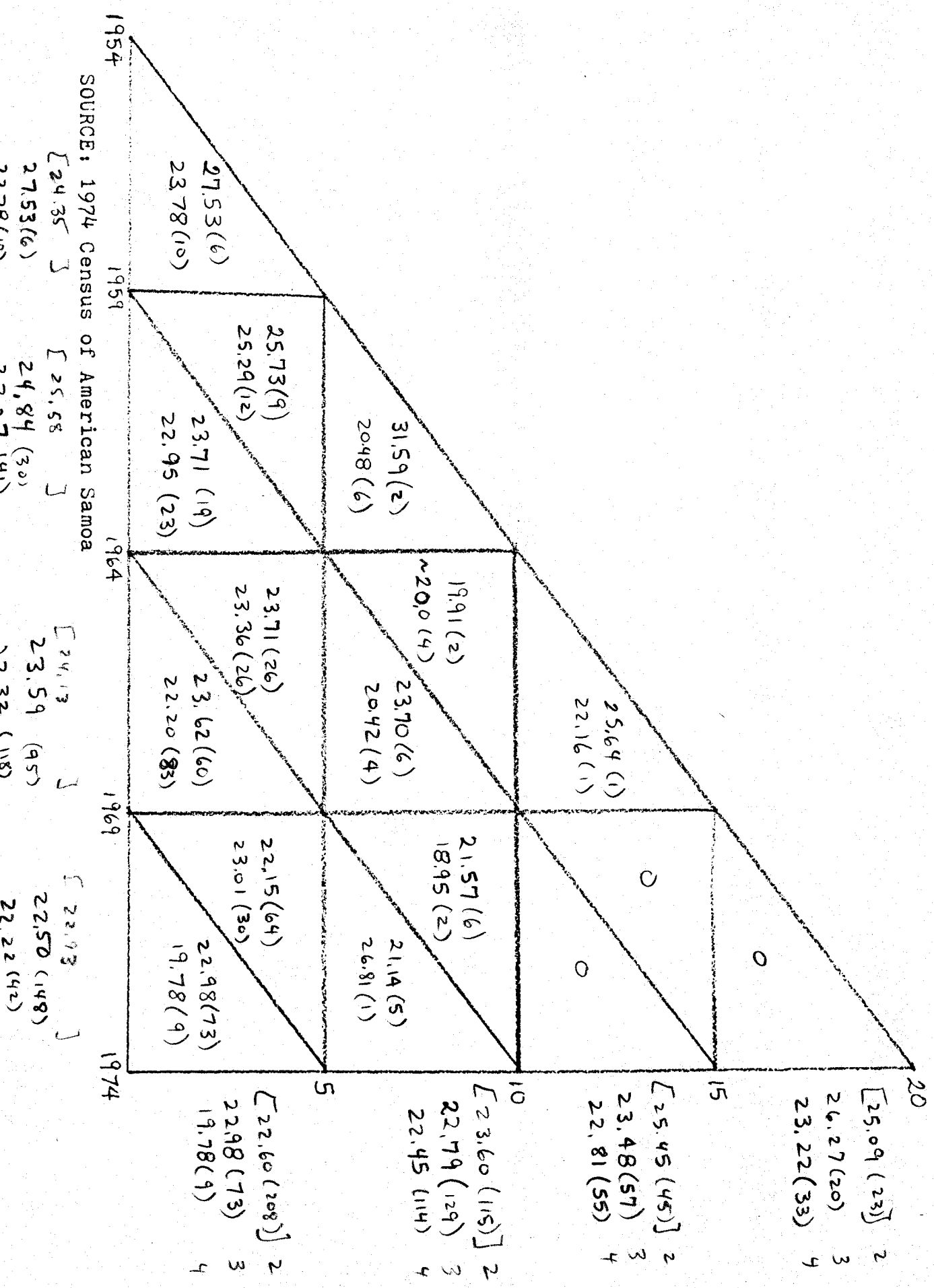
Table 9:
 1ST FLAT ADDED, all of openings



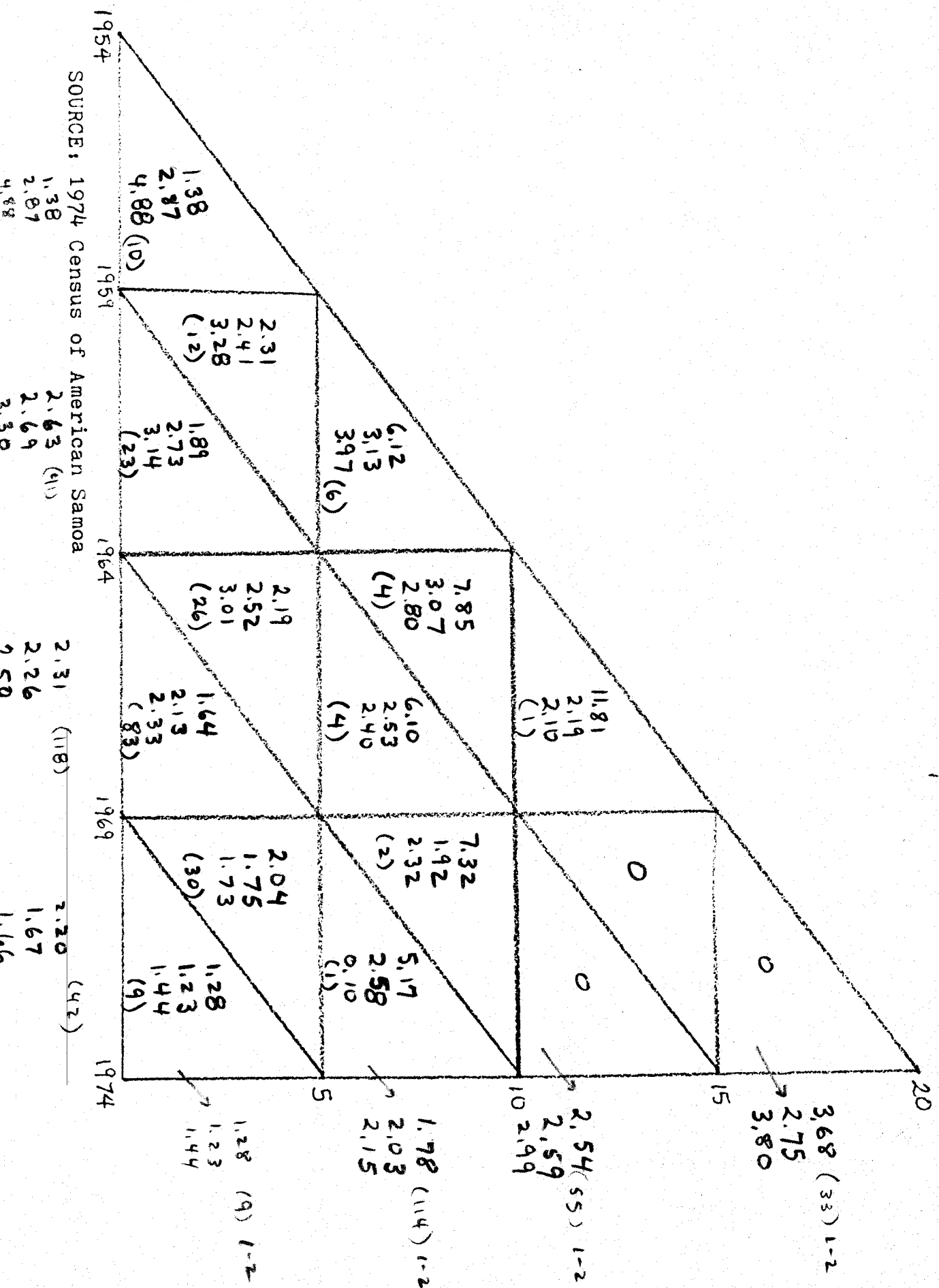
Great First-Birth (2 children, All ♀)



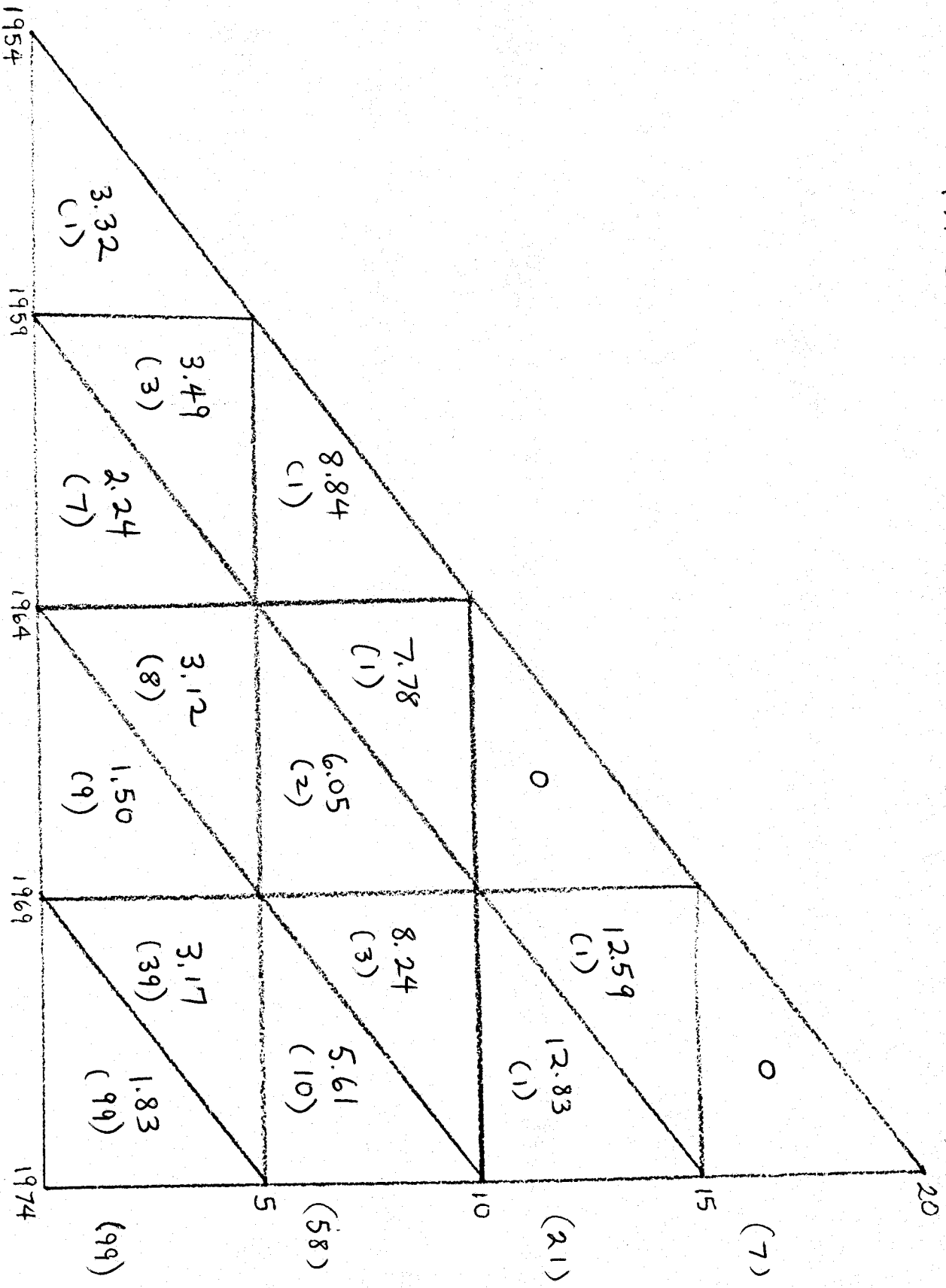
Age at First Birth (3 CHILDREN + 4 CHILDREN), ALL F



Mean oil 1st-2nd, 2nd-3rd, 3rd-4th, for First-second child, all ♀, 4 surviving at

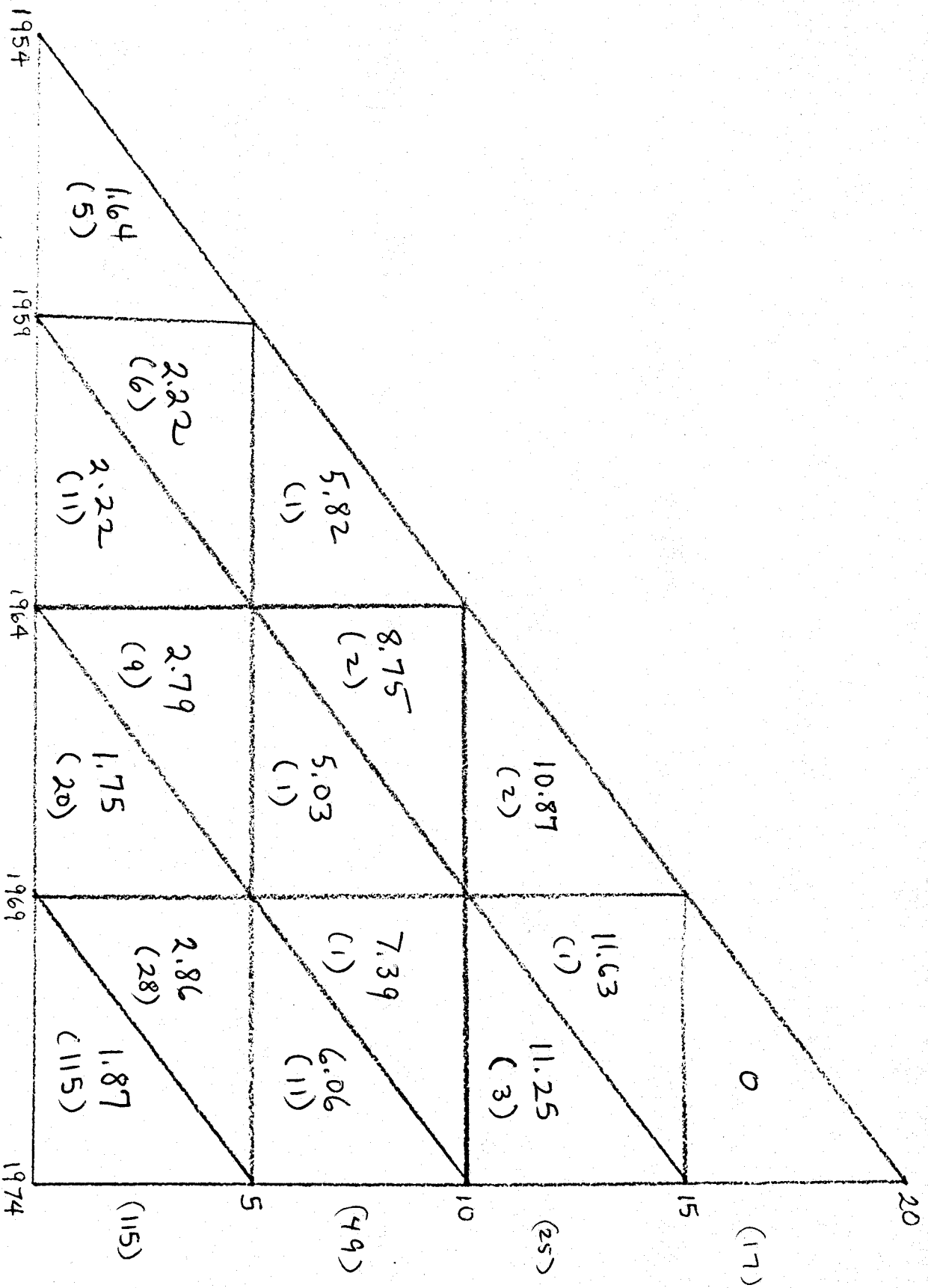


MEAN DIFFERENCE IN AGE BETWEEN FIRST AND SECOND CHILD, ALL FEMALES, BY YEAR OF FIRST BIRTH AND TIME UNTIL SECOND BIRTH - URBAN



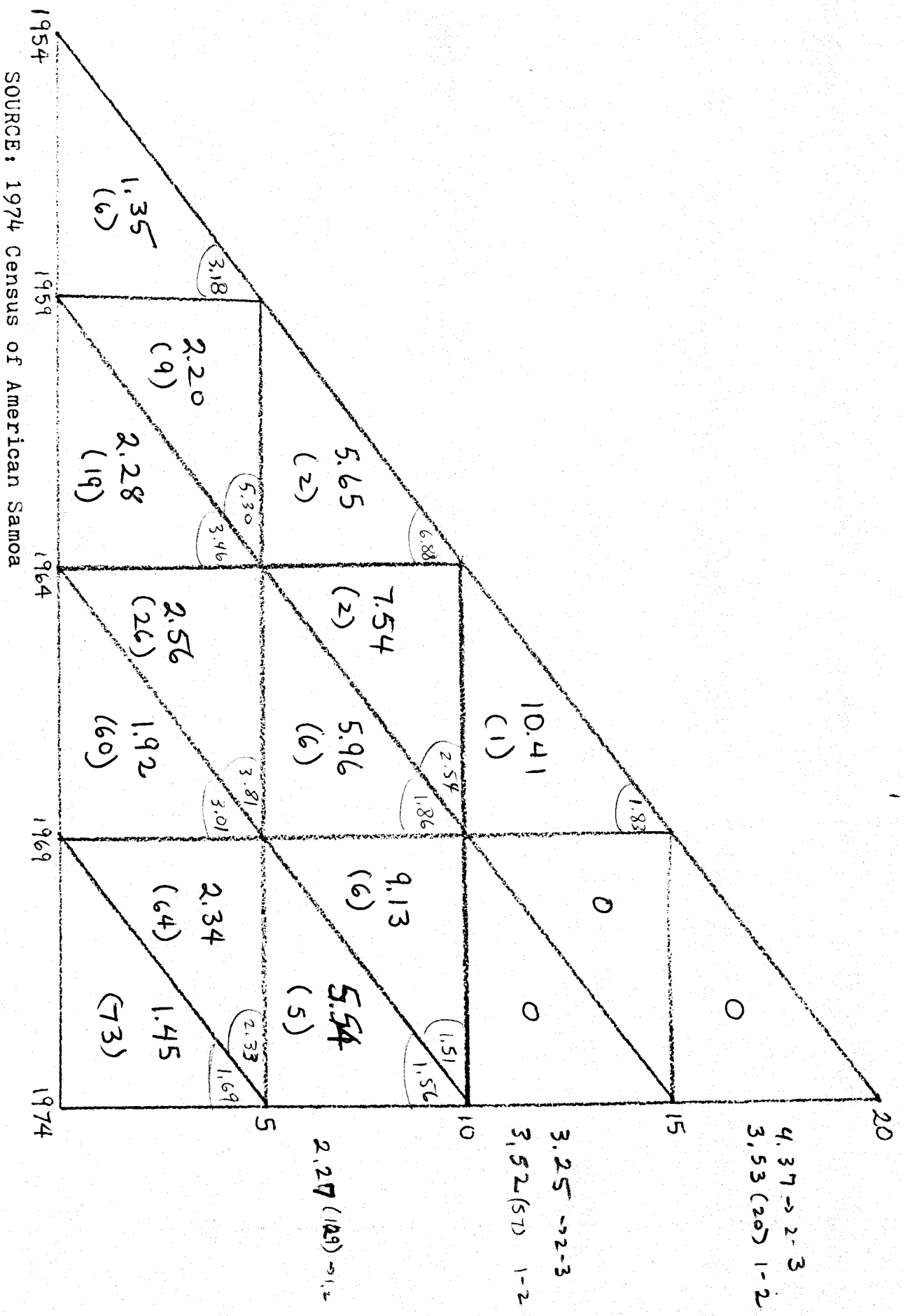
SOURCE: 1974 Census of American Samoa

RURAL



SOURCE: 1974 Census of American Samoa

Mean Diff between 1st & 2nd ch, all ♀, 3 surviving ch.



AS
Fert.

Own-Children Fertility Estimates for American Samoa,
Based on the 1974 Census

Prepared for
Second Own-Children Workshop
October 18-22, 1976

Michael J. Levin
Fellow
East-West Population Institute
East-West Center

This paper presents procedures used for collecting and editing 1974 Census of American Samoa data to obtain Own-Children fertility estimates. Since the American Samoa data set is small, editing procedures will be discussed in some detail to demonstrate the kinds of errors encountered in preparing the data set for analysis; the problems which developed in the detailed editing of this small population will be discussed for potential editing of larger data sets. The usefulness of the Own-Children approach for small populations will be shown.

American Samoa, a Pacific islands territory of the United States, is composed of six inhabited islands comprising 76 square miles. The 1974 population was 29,190. Although American Samoa is included in the United States decennial censuses, and was therefore censused in 1960 and 1970, many of the questions suitable for the continental United States were unsuitable for Samoa; the East-West Population Institute was contracted by the Government of American Samoa through the East-West Center to provide consultants for a special census to be taken in September, 1974.

COLLECTING AND EDITING DATA

Peter Pirie and I worked with Edgar Marcus and Evelyn Gebauer of the Development Planning Office and with other members of the Government of American Samoa to develop a useful questionnaire to obtain current demographic information, as well as information on education, employment, fertility, and migration (Figure 1). Since

an Own-Children analysis was planned, mother's person number for mothers present in the household (Question 10.3) was asked of all persons, as well as detailed fertility information. An enumerator's manual and enumerator aids (e.g., time lines, lists of places) were provided to maintain accuracy and consistency during the enumeration. The following information was provided for enumerators in the manual to help in collecting the data to be used for the Own Children analysis:

Questions 10 & 11. Own Father and Mother. "Own father" and "own mother" in this question means the true, (blood-related parents) of the person being enumerated, not parents who may have adopted the person being enumerated.... Note that if the true parent of the person being enumerated is not living, the word DEAD should be written in the space instead of the place name.

Question 10.3. Person number of Mother if present in this household. This question allows "mothers" and their "own children" to be linked by person numbers in the household. The person number of the mother of the person being enumerated should be marked in this box if she is living within this household.

The relevant parts of the information for the fertility question read:

...The questions should be asked only of Females who were born in 1960 or before. In all cases, it is own children born to the woman who should be counted, not including adopted children (who should be counted with the mother to who they were born).

Enumerators and supervisors were selected from the Department of Education in American Samoa; most were high school graduates, and all were fluent in English. There were 16 supervisors and assistant supervisors, and 100 enumerators. Each enumerator was to census approximately 300 persons, determined by village population size in the 1970 United States census data and probable population movements.

Enumeration areas were determined with the help of the supervisors for each of the four districts; each enumerator worked in the district where he or she lived or taught. There were three training sessions for supervisors who tested the questionnaires and materials which were modified as problems developed. Peter Pirie and I coordinated all training sessions. The enumerators on the main island of Tutuila were similarly trained in three training sessions over a two week period; all practice forms were checked and returned to the enumerators, and the manual was further modified to respond to further problems encountered by the enumerators. The seven enumerators on Manu'a, an island group located about 60 miles from Tutuila, were trained individually; I enumerated the residents of Swain's Island, an atoll of 33 people about 200 miles north of Tutuila, and with Evelyn Gebauer, censused the hospital and prison. Census day was September 25, 1974.

The questionnaires had boxes for coded information; it was thus possible to code and punch data directly from the original questionnaires. Errors were easily corrected with the printouts from checking programs and the questionnaires. Coders and checkers were selected from students at the Community College of American Samoa. All of these students were also high school graduates. Instructions for checkers and coders were developed; several training sessions with sample forms determined the best coders and checkers. Approximately 6 to 10 coders worked for three months to code all forms; since much of the coding was uneven, I sight-checked approximately 70 percent of the forms for non-computer determinable errors (e.g., legal, but incorrect, places, ethnicities, religions).

Computer checking programs were written to determine errors and inconsistencies in the data set. Several of the checks were to enhance the reliability of the Own-Children tabulations (e.g., all persons having a mother's person number in the house, but also having the mother listed as dead, were listed and appropriate information was changed.)

A separate program for checking other Own-Children information was also written. Each household was considered separately in this program. The following instructions were written for checking the printouts (the underlined information was printed with the line or lines of inconsistent information):

LAST CH SHOULD BE IN HOUSE. If there is information for last child on a woman whose last child was born after 1960, then the last child should be in the household. ... If no last child is found, this message is printed.

CHILDREN MISSING. If the mother's first child was born after 1960, then all children should be in the household. When all of the children are not in the household, this message is printed. This is not necessarily a mistake since children may be living in other households.

CHILD AFTER LAST CHILD. This is printed if there is a child in the household who has a 'mother's person number', but who was born after the last child indicated on the mother's card. Either the child should not have a mother's person number (i.e., the child was adopted), or the child should be indicated as the last child on the mother's card.

MOTHER TOO YOUNG FOR CHILD. If the child is listed as being born before the year of birth of the first child of the mother, this message is printed to be compared with the child's year of birth.

TOO MANY CHILDREN IN HOUSE. If the total number of individuals in a household having a particular 'mother's person number' indicated exceeds the total number of surviving children for that woman, this message is printed.

DAY-LAST CHILD. This is printed when there is a child in the household who was born in the year of the mother's last birth and who has a mother's person number in the household, but who was born on a different day from that noted on the mother's last child information.

MONTH-LAST CHILD. This is printed when there is a child in the household who was born in the year of the mother's last birth and has a mother's person number in the household, but who was born in a different month from that noted on the mother's last child information.

OWN MOTHER IS SELF. This is printed when the individual's person number and the person number of the mother are the same.

LAST CHILD NOT ALIVE. This is printed if the information on the mother's card for the last child, and actual child's agree, EXCEPT that on the mother's card the child is listed as 'not living'. The child should be alive.

Errors may occur in the data set at any of the stages of the procedure. Sometimes, for example, an informant may make an error in a birthdate of a child, causing two children to be born less than nine months apart; these errors become magnified when some person other than the person for whom the information is recorded is giving the information. Enumerators may make errors either by recording incorrect information which the informant gives, or by misrecording or omitting information. Sometimes enumerators are not fully aware of the instructions in the manual; in American Samoa, two enumerators recorded each person in the enumeration area as his or her own mother. Errors may occur by miscoding, or rarely, by mispunching. In the American Samoan materials, however, there were too many errors appearing at the punching stage to make an error analysis possible; instead an error analysis was made on the 1,500 persons in the post-enumeration survey (Table 1).

Table 1 summarizes the errors found with the checking program described for the Own Children analysis checking. Sometimes, because of the construction of the program, when an error is found, a line of information is also printed which is not actually an error, but results from a real error; there is a column in Table 1 called "Not an error".

Approximately half of the errors are from coding mistakes. When all errors were corrected, age in completed years and interval since last birth for females were added to the data set. Tabulations were then made.

PREPARATION FOR OWN CHILDREN ANALYSIS

Since the mother's person number was collected in the 1974 census of American Samoa, and since the data set was small, Stage 1 of the Own Children package was not used to link mothers and children by age. A FORTRAN program was developed to assign children to their mothers if ages of both were known, and if the child had the mother's person number indicated. The number of non-own children for children of each age was also determined. Printouts were obtained for all women, women by urban-rural residence (in this case urban is defined as the Central area of Tutuila where the Government offices are located and the village of Leone in the Western district), and women by educational breakdown (Table 2).

Since, even for children aged zero, approximately 11 percent of the children did not have mothers present in the house, bothersome questions about the accuracy of the FORTRAN program resulted. A printout of all children up to age nine was obtained for all non-own children. A summary was made of these children by relationship to household head (Table 3 - the totals differ slightly from those obtained in Table 2 because of exclusions for unknown age of mother and unknown educational status). The zero year old Head of household occurred because all persons in the hospital were put in alphabetical order and then numbered; the first person happened to be a new-born baby whose mother was recorded in her own village census night. Approximately one-third of these children were in the first descending generation - usually child or adopted child

of household head. The original census forms of all non-own children aged zero were checked for accuracy, and for cause of being non-own child (Table 4). In approximately eight percent of the cases, the enumerator made an error which prohibited determining the actual reason for being a non-own child. In 19 cases the mother actually was in the house, but was misenumerated or miscoded. There were ten cases of new-born babies in the hospital whose mothers were listed in their own villages, and were not linked to them. Twelve persons were listed on the census form as 'adopted child'. In the remaining 55 percent of the cases the mother was outside the house, and in 20 percent of the cases the mother was not in American Samoa. In most of these cases the mother had gone either to Hawaii or the United States mainland, and had presumably left the child with a relative; this kind of movement and migration is prevalent among American Samoans and is probably the primary reason for the large number of non-own children among all ages of children.

USE OF OWN CHILDREN ANALYSIS FOR FERTILITY ESTIMATES

Vital statistics published in the annual reports to the Secretary of Interior for American Samoa (Government of American Samoa 1967-1974) were used to test the accuracy of the tabulations obtained by using the Own Children method. These statistics were used to check changes in fertility seen in the estimated age-specific birth rates and in the total fertility rates, and changes in mortality shown in the regional model life tables obtained from the BRASS part of the Own Children package.

Fertility. The estimated single-year central age-specific birth rates and total fertility rates for the 13 years preceding the 1974

census (Table 5) show a generally consistent level remaining above six children in completed families during the 1960s with a rather steep decline of approximately 25 percent from the 1961 figure during the last few years preceding the census (Table 6). Although, except for the first group, each of the five-year age groups of females showed a decline in age-specific fertility during the 13 years (Figure 2), females over 30 showed the greatest decline. The group of females aged 35 to 39 years, for example, experienced a decline in age-specific fertility of almost 50 percent between 1968 and 1974 (although 1968 may have been abnormally high). The decline in the total fertility rate has been similar for urban and rural residents, with the rural residents continuing to have larger family sizes than the urban residents (Figure 3).

Possible underregistration of births was investigated by using registered births from the annual reports and interpolated population estimates from the 1960 and 1970 censuses to obtain birth rates for comparison with annual birth rates obtained from the Own Children analysis (Table 7). Births by month were available only for years 1961 through 1966, allowing 'census' years to be constructed by splitting births for Septembers into two appropriate parts and then adding the months of the appropriate years (e.g., 1962 was constructed from September 26 through December, 1961, and January through September 25, 1962). Annual interpolated change was obtained from the appropriate age groups in the 1960 and 1970 United States censuses and adjusted since the 1974 census (used for the Own Children analysis) was taken in September, and the 1960 and 1970 censuses were taken on April 1. The age specific birth rates were then obtained by dividing births by the

Age specific death rates from 1969 through 1971 (Government of American Samoa 1971), and death rates determined from deaths by age for 1962 through 1965 with interpolated populations from the 1960 and 1970 censuses, were used as input to a program in the Demographic Computer Library (Shaw and Johnson 1971) to construct model life tables. In all cases the life expectancies at all ages were very close to the male life expectancies determined by BRASS; all were several years less than the expected results for females. All life expectancies were determined from data for both sexes, since death rates by sex were not available. In all cases the total death rate was somewhat below the registered death rate, indicating that the population used for the registered death rate may have been too high (i.e., there were more emigrants than were considered).

Infant mortality rates for different age groups of women were obtained from the $q(x)$ values obtained in BRASS for values of x from 1 to 20. The infant mortality rates (Table 9) were obtained from the procedure presented by Brass ^(1968:104-20) and elaborated by Feeney (1976); the values are similar to those obtained by Feeney (1976) for American Samoa.

Life expectancy is unusually long and infant mortality is unusually low in American Samoa compared to other underdeveloped areas, probably because of the easy availability and small expense of health facilities. Few persons are further than one hour away by car or bus from Lyndon Johnson Hospital on Tutuila where medical care and medication are essentially provided at cost.

mid-year populations on the basis of the 1974 date. The 'underregistration' of births is less than four percent for all years except 1962 (13.7 percent, based on the total fertility rates). The birth rates determined from registration tend to be higher than from the census information for the lower age groups, but lower for the older age groups.

Two factors influencing these rates are the introduction of family planning programs and continued immigration from Western Samoa and emigration to Hawaii and the mainland United States. A comprehensive family planning program was introduced into American Samoa in the early 1970s and has apparently been successful. In 1970, apparently the first year of the program, there were approximately 125 new acceptors at the clinic, and by 1973 there were 700 new acceptors and 2200 return acceptors (Government of American Samoa 1974). Similarly, there were nine tubal ligations in 1970, but 105 in 1973.

The effects of migration are much more difficult to measure since emigration statistics are difficult to obtain. American Samoans are United States Nationals and can easily move between Samoa and Hawaii and the United States mainland. Park (1972) and the results of the 1974 census (GAS 1976) show that emigration continues to maintain lower growth rates than would be expected from the difference between births and deaths.

Life expectancy. The regional model life tables from the BRASS part of the Own-Children analysis give life expectancies at birth of 74.25 and 70.39 years for females and males, respectively (Table 8).

CONCLUSIONS

This paper has presented methods for collecting and editing census data from one small population to obtain Own-Children fertility estimates. The Own-Children procedures have been shown to give results which compare favorably with vital statistics obtained from registration information. Although the Own-Children estimates cannot substitute for vital statistics, they are a useful supplement. Good and varied vital statistics are obviously essential for planning purposes; since these statistics are rarely available for many isolated populations, census data and demographic estimates obtained from them become increasingly important. The results for American Samoa show that Own Children census information is easy to collect and edit for small populations, and should be useful for other, similar populations.

Table 1
 Own-Children Error Analysis of Post-Enumeration Survey
 1974 Census of American Samoa

Error	Kind of Error					Total
	Infor- mant	Enumer- ator	Coding	Punch- ing	Not Error	
Last Child Should be in House		11	14		17	42
Children Missing		7	5	1	23	36
Child after Last Child	3	8	24			35
Mother too Young for Child	10	10	34		11	65
Too many Children in House	1	8	10		3	22
Day - Last Child	4	1	9			14
Month - Last Child	2		8			10
Own Mother is Self		18	16	1		35
Last Ch not Alive			1			1
Total	20	63	121	2	54	260
Percentage of Errors	7.7	24.2	46.5	0.8	20.8	100.0
Percentage of Actual Errors	9.7	30.6	58.7	1.0		100.0

TABLE 2: ALL WOMEN 15 TO 64 YEARS OF AGE AND CHILDREN UNDER 15 YEARS OF AGE BY AGE OF WOMAN AND AGE OF CHILD

AGE OF WOMAN	TOTAL WOMEN	CHILDREN EVER BORN	CHILDREN SURVIVING	CEB/C5 N.S.	AGE OF CHILD														
					0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
TOTAL	7722	23412	22009	35	839	757	802	772	755	766	769	702	718	715	663	602	600	564	535
15 YR	359	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 YR	312	6	6	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 YR	315	9	9	0	4	2	5	0	0	0	0	0	0	0	0	0	0	0	0
18 YR	313	41	43	0	21	8	2	1	0	0	0	0	0	0	0	0	0	0	0
19 YR	275	61	60	0	25	11	12	4	1	0	0	0	0	0	0	0	0	0	0
20 YR	285	66	64	0	22	13	20	2	1	0	0	0	0	0	0	0	0	0	0
21 YR	291	119	117	0	42	25	20	12	7	2	0	0	0	0	0	0	0	0	0
22 YR	253	167	162	0	41	36	27	23	10	5	2	0	0	0	0	0	0	0	0
23 YR	257	164	159	0	49	53	47	29	13	8	5	0	0	0	0	0	0	0	0
24 YR	247	290	285	0	51	58	48	44	30	18	8	0	0	0	0	0	0	0	0
25 YR	245	384	379	0	56	55	57	41	45	24	11	0	0	0	0	0	0	0	0
26 YR	213	413	404	0	68	39	56	62	40	41	24	0	0	0	0	0	0	0	0
27 YR	226	443	461	1	49	41	29	51	37	41	32	0	0	0	0	0	0	0	0
28 YR	202	474	461	1	48	33	29	46	50	44	27	0	0	0	0	0	0	0	0
29 YR	176	490	461	0	50	42	34	34	40	47	35	0	0	0	0	0	0	0	0
30 YR	200	626	612	0	34	36	34	34	40	47	40	0	0	0	0	0	0	0	0
31 YR	160	529	517	0	30	27	21	29	35	44	36	0	0	0	0	0	0	0	0
32 YR	163	597	575	0	27	29	23	25	32	44	34	0	0	0	0	0	0	0	0
33 YR	123	471	452	0	21	32	30	21	42	49	33	0	0	0	0	0	0	0	0
34 YR	155	657	640	0	21	18	23	20	35	44	33	0	0	0	0	0	0	0	0
35 YR	153	658	637	0	20	15	24	27	32	45	33	0	0	0	0	0	0	0	0
36 YR	152	716	740	0	18	12	25	17	40	49	39	0	0	0	0	0	0	0	0
37 YR	144	681	647	0	14	15	25	17	40	49	39	0	0	0	0	0	0	0	0
38 YR	131	636	627	0	15	17	22	20	32	41	31	0	0	0	0	0	0	0	0
39 YR	114	762	722	0	10	17	22	10	25	32	24	0	0	0	0	0	0	0	0
40 YR	135	600	578	0	10	17	22	10	25	32	24	0	0	0	0	0	0	0	0
41 YR	130	837	806	0	7	21	23	16	19	22	26	0	0	0	0	0	0	0	0
42 YR	130	646	629	0	4	24	25	18	19	22	26	0	0	0	0	0	0	0	0
43 YR	110	783	739	0	4	5	4	15	14	16	24	0	0	0	0	0	0	0	0
44 YR	124	777	739	0	4	5	4	15	14	16	24	0	0	0	0	0	0	0	0
45 YR	133	783	739	0	4	5	4	15	14	16	24	0	0	0	0	0	0	0	0
46 YR	143	900	847	0	3	8	6	4	4	4	24	0	0	0	0	0	0	0	0
47 YR	106	691	653	0	2	8	6	4	4	4	24	0	0	0	0	0	0	0	0
48 YR	107	705	661	0	2	8	6	4	4	4	24	0	0	0	0	0	0	0	0
49 YR	93	599	557	0	1	3	2	1	2	2	24	0	0	0	0	0	0	0	0
50 YR	103	708	647	0	1	0	1	0	1	1	24	0	0	0	0	0	0	0	0
51 YR	83	572	523	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
52 YR	83	474	433	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
53 YR	60	411	366	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
54 YR	97	600	533	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
55 YR	77	491	431	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
56 YR	75	564	472	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
57 YR	72	438	372	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
58 YR	49	241	249	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
59 YR	60	393	335	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
60 YR	52	340	289	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
61 YR	44	367	296	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
62 YR	56	366	336	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
63 YR	35	199	174	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
64 YR	47	295	251	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0

NON-OWN CHILDREN

Table 3
 Non-Own Children by Single Year of Age and
 Relationship to Household Head
 1974 Census of American Samoa

Relationship	Age										Total
	0	1	2	3	4	5	6	7	8	9	
First descending Generation (Ch,AdCh)	36	33	55	52	59	74	55	69	71	71	575
Second descending Generation (GrCh)	37	48	57	69	61	59	62	52	52	53	550
Other relative (not otherwise given)	28	24	30	28	29	43	29	37	38	43	329
Same Generation as Household Head	3	1	1	1	1	3	4	4	7	7	32
Head	1							1			2
Not related to Household Head	9	2	1	1	2	1	2	1	2		21
Unknown Relationship								3			3
Total	114	108	144	151	152	180	152	167	170	174	1512

Table 4
 Distribution of Mothers for Non-Own Children Aged Zero
 1974 Census of American Samoa

Cause of Mother's Absence	Number	Percent
Adoption	12	10.5
Mother actually in house	19	16.7
Enumerator error	9	7.9
Mother in other house in village	30	26.3
Mother in other village	10	8.8
Mother in Hawaii	8	7.0
Mother in California	10	8.8
Mother in South Carolina	1	0.9
Mother in Western Samoa	5	4.4
Newborn (Mother listed at home)	10	8.8
Total	114	100.1

1974 CENSUS OF AMERICAN SAMOA

ESTIMATED SINGLE-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES(FCI)

Table 5

PRELIMINARY

DO NOT CITE

AGE OF WOMEN	NUMBER OF YEARS PRECEDING THE 1974 CENSUS													
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13
15	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961
16	6.7	3.6	13.0	9.7	4.2	4.4	4.5	5.0	10.0	7.7	16.9	18.3	9.0	11.0
17	14.2	18.0	26.9	12.6	8.6	16.3	12.0	20.0	38.6	22.2	35.2	15.6	13.6	11.0
18	44.4	35.2	43.7	20.7	29.4	32.2	31.6	46.2	81.4	34.7	49.2	14.1	34.1	7.4
19	84.3	48.2	67.0	79.5	91.7	123.1	79.6	77.3	63.4	62.3	64.7	39.0	53.5	59.0
20	107.3	76.9	88.7	124.4	141.4	123.1	128.4	121.0	129.8	124.3	93.9	111.2	109.1	80.7
21	142.0	130.7	158.5	176.4	172.3	156.6	178.6	156.5	143.6	195.9	143.0	162.1	171.2	124.2
22	179.8	170.4	229.3	225.7	225.7	181.1	205.1	210.6	194.7	253.9	246.6	182.6	215.8	174.9
23	203.3	203.4	284.5	271.0	252.3	227.3	236.5	252.0	229.9	295.4	244.8	301.7	253.5	304.9
24	224.1	247.2	315.9	286.2	244.3	264.0	319.2	322.0	322.0	400.0	261.9	310.4	319.8	315.6
25	289.3	218.9	273.2	206.9	250.6	312.2	267.9	291.7	276.3	400.0	295.4	248.8	314.9	302.0
26	325.4	230.5	216.9	242.2	307.4	353.0	355.6	316.6	318.0	321.8	350.4	289.0	376.9	298.1
27	325.4	278.1	253.3	271.0	284.0	350.1	320.1	291.7	318.0	291.6	371.8	333.4	376.9	365.2
28	395.6	232.4	281.2	237.7	256.8	330.1	369.1	330.3	327.1	270.7	368.5	334.5	308.3	392.5
29	264.6	246.0	285.7	267.2	268.7	298.0	300.7	344.8	240.0	317.5	312.5	280.7	308.3	392.5
30	264.6	147.7	268.2	267.2	310.2	318.3	329.2	240.0	240.0	369.1	312.5	280.7	308.3	392.5
31	224.1	183.5	194.3	260.3	290.4	246.1	300.9	236.6	331.7	340.7	356.0	341.0	373.2	325.1
32	185.4	233.8	210.5	189.3	186.8	216.2	312.4	228.0	312.7	319.1	309.4	299.5	291.6	295.5
33	181.7	230.0	246.3	184.1	186.8	186.8	263.1	228.0	312.7	289.3	294.0	260.7	214.7	267.7
34	174.9	179.8	229.8	184.1	193.8	201.0	263.1	228.0	298.3	289.3	297.4	258.2	241.7	251.0
35	150.9	168.6	213.9	187.3	208.8	204.5	267.3	244.4	298.3	254.3	300.9	305.7	244.4	290.3
36	144.0	168.3	213.9	191.2	208.8	260.0	282.9	240.1	240.0	234.9	300.9	305.7	244.4	290.3
37	133.5	127.3	156.6	151.4	195.5	276.3	264.0	202.3	197.6	216.5	260.6	248.0	249.9	276.5
38	93.1	115.0	149.8	159.6	177.8	256.4	241.0	180.6	205.3	245.6	171.9	175.5	222.2	141.1
39	96.7	115.9	157.3	184.6	182.2	193.0	196.5	180.6	215.2	236.4	155.9	161.1	157.9	147.5
40	119.5	137.5	169.6	175.7	159.9	132.7	146.0	151.5	162.8	127.0	128.5	126.8	119.4	161.0
41	44.7	120.7	50.8	69.4	88.2	87.5	88.0	98.9	133.0	112.0	113.7	99.6	105.1	94.0
42	52.5	44.5	38.5	73.0	62.7	109.1	86.8	74.5	111.5	70.5	103.3	89.7	58.2	53.5
43	57.6	46.0	38.5	45.3	65.5	86.8	34.8	30.2	35.2	49.4	8.1	26.0	40.2	32.9
44	29.0	65.3	16.8	42.1	52.2	44.9	16.8	39.2	62.2	16.1	0.0	31.4	42.2	34.7
45	13.0	59.7	23.3	32.4	42.1	43.3	30.8	21.2	24.1	16.4	10.1	34.7	16.7	40.2
46	11.0	24.2	19.3	14.5	21.9	23.5	30.5	8.0	24.1	30.1	11.2	33.6	12.4	25.5
47	11.4	11.5	14.4	14.5	30.8	14.2	20.6	8.3	10.8	20.1	10.8	13.0	11.8	41.7
48	6.2	7.0	8.3	7.7	13.9	8.1	0.0	0.0	0.0	0.0	25.1	12.7	0.0	30.5
49	0.0	0.0	13.7	6.9	0.0	8.4	0.0	0.0	12.4	0.0	0.0	13.5	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	4909.7	4786.4	5678.0	5508.4	5731.1	6342.3	6281.6	6113.2	6545.2	6747.8	6520.0	6371.0	6764.2	6542.0

Table 6
 Changes in Age Specific Birth Rates: 1961 - 1968 - 1974
 1974 Census of American Samoa

Age Group	Birth Rates and Changes					
	Birth Rates 1961	Change 1961-1968 %	Birth Rates 1968	Change 1968-1974 %	Birth Rates 1974	Change 1961-1974 %
15-19	36.0	+35.6	48.8	+ 1.2	49.4	+37.2
20-24	238.3	+ 3.5	246.7	-19.3	199.0	-16.5
25-29	351.5	-14.0	302.2	+ 1.0	305.3	-13.1
30-34	315.7	- 7.0	293.6	-28.2	210.7	-33.3
35-39	226.6	+ 9.8	248.9	-49.4	125.9	-44.4
40-44	111.4	-16.8	92.7	-19.2	74.9	-32.8
45-49	32.9	-49.5	16.6	+ 2.4	17.0	-48.3
Total Fertility Rate	6562.3	- 4.8	6247.7	-21.4	4911.8	-25.1

Table 7
 Comparison of Birth Rates from Own-Children and Registration-Census Data: 1962-1966
 1974 Census of American Samoa

Age Group	Years									
	1962		1963		1964		1965		1966	
	Reg.	OwnC	Reg.	OwnC	Reg.	OwnC	Reg.	OwnC	Reg.	OwnC
15-19	88.2	41.2	75.3	37.7	52.3	50.2	58.4	46.9	54.7	51.1
20-24	219.6	234.4	263.3	241.6	290.8	220.5	314.8	271.5	298.2	241.1
25-29	258.9	319.3	317.8	304.4	338.0	338.7	356.6	315.5	339.7	307.0
30-34	272.2	309.3	296.1	321.1	298.1	317.7	275.0	327.0	254.8	311.8
35-39	179.5	225.8	197.0	233.2	217.2	244.0	247.0	237.8	222.0	230.3
40-44	79.2	103.7	67.1	101.0	71.1	118.1	66.2	117.7	77.6	127.6
45-49	4.8	20.1	18.3	28.0	22.4	7.7	20.1	27.7	13.6	32.5
Total Fertility Rate	5512	6269	6174	6335	6450	6484	6690	6721	6303	6508

1974 CENSUS OF AMERICAN SAMOA

Table 8
Regional Model Life Tables

PRELIMINARY
DO NOT CITE

	REGIONAL MODEL LIFE TABLE									
	Q(X)	D(X)	M(X)	I(X)	W	L(X)	LEVEL	P(X)	T(X)	E(X)
FEMALE							22.70			
0	0.121728	1728.	0.01755	100000.	98888.	98272.	0.98161	7425060.	74.25	
1	0.002908	293.	0.00075	98272.	98235.	98235.	0.99461	7325612.	74.55	
5	0.001552	149.	0.00030	97900.	97855.	97855.	0.99801	6934256.	74.77	
10	0.001204	123.	0.00025	97830.	97805.	97805.	0.99833	6444731.	65.84	
15	0.002009	204.	0.00042	97708.	97688.	97688.	0.99274	5955886.	60.96	
20	0.002977	297.	0.00059	97504.	97494.	97494.	0.99665	5467858.	58.08	
25	0.003174	314.	0.00065	97215.	97215.	97215.	0.99655	4981063.	54.24	
30	0.004477	442.	0.00096	96851.	96851.	96851.	0.99432	4495900.	45.42	
35	0.007670	616.	0.00132	96389.	96389.	96389.	0.99178	4012401.	41.61	
40	0.015844	943.	0.00198	95753.	95753.	95753.	0.98717	3532446.	35.83	
45	0.015844	1503.	0.00320	94411.	94411.	94411.	0.98717	3056037.	32.23	
50	0.02453	2282.	0.00497	91307.	91307.	91307.	0.96867	2585743.	27.71	
55	0.031810	3486.	0.00781	91019.	91019.	91019.	0.95029	2124928.	23.35	
60	0.041917	5390.	0.01271	87533.	87533.	87533.	0.91731	1678548.	19.19	
65	0.10519	8640.	0.02221	82144.	82144.	82144.	0.86017	1254356.	15.27	
70	0.17855	13124.	0.03921	73503.	73503.	73503.	0.76981	865239.	11.77	
75	0.29106	17694.	0.06457	60379.	60379.	60379.	0.51474	530574.	8.79	
80	1.000000	42685.	0.15643	42685.	42685.	42685.	0.0	272874.	6.39	

	REGIONAL MODEL LIFE TABLE									
	Q(X)	D(X)	M(X)	I(X)	W	L(X)	LEVEL	P(X)	T(X)	E(X)
MALE							22.70			
0	0.02412	2412.	0.02465	100000.	97858.	97858.	0.97447	7039034.	70.39	
1	0.003414	404.	0.00104	97598.	97598.	97598.	0.99603	6941177.	71.13	
5	0.00257	250.	0.00051	97184.	97184.	97184.	0.99764	6551802.	67.42	
10	0.00216	209.	0.00043	96935.	96935.	96935.	0.99684	6066505.	62.58	
15	0.003415	402.	0.00083	96725.	96725.	96725.	0.99504	5582356.	57.71	
20	0.00575	555.	0.00119	96324.	96324.	96324.	0.99426	5099734.	52.94	
25	0.00871	547.	0.00129	95768.	95768.	95768.	0.99392	4619594.	48.24	
30	0.00842	614.	0.00159	95221.	95221.	95221.	0.99038	4142031.	43.59	
35	0.00742	797.	0.00159	94608.	94608.	94608.	0.98938	3657460.	38.75	
40	0.01284	1204.	0.00258	93811.	93811.	93811.	0.98242	3196415.	34.07	
45	0.02157	1998.	0.00436	92607.	92607.	92607.	0.97140	2730332.	29.48	
50	0.03580	3226.	0.00725	90509.	90509.	90509.	0.95275	2272334.	25.08	
55	0.05932	5104.	0.01223	87383.	87383.	87383.	0.92306	1827354.	20.91	
60	0.09381	7711.	0.01968	82199.	82199.	82199.	0.88070	1401309.	17.07	
65	0.14743	10382.	0.03183	74484.	74484.	74484.	0.81484	1011681.	13.59	
70	0.22932	14564.	0.05180	63506.	63506.	63506.	0.71983	666694.	10.59	
75	0.34614	16941.	0.08372	48943.	48943.	48943.	0.47517	385572.	7.84	
80	1.000000	32001.	0.17467	32001.	32001.	32001.	0.0	183211.	5.73	

Table 9
 Infant Mortality for Different Age Groups of Women
 1974 Census of American Samoa

Age Group of Women	x	q(x)	Infant Mortality
15-19	1	.00925	.0092
20-24	2	.02240	.0167
25-29	3	.02138	.0165
30-34	5	.02990	.0178
35-39	10	.03528	.0190
40-44	15	.04832	.0250
45-49	20	.05902	.0268

ENUMERATION DISTRICT # _____ HOUSEHOLD # _____
 VILLAGE NAME _____ PERSON # _____

1. Name _____

2. Relationship to Head of Household _____

3. Sex - Write '1' for Male, '2' for Female

4. Date of Birth _____
 Month _____ Day _____ Year _____

5. Place of Birth (If born in hospital, give mother's usual place of residence)
 Place _____ Country _____

6. Ethnic origin (e.g., Samoan, Part Samoan, Caucasian, Tongan, Niuan, Korean, etc.) _____

7. Marital Status: Never Married (NM) Married (M) Widowed (W) Divorced or Separated (D)

8. Religion: Congregational (CC), Catholic (C), Methodist (M), Mormon (LMS), Seventh Day Adventist (SDA), Other (give name), or Refuse. _____

9. If you are a holder of a Sapean title, write it and the Matai name and the village to which it belongs. If you are untitled, write UT and name of your matai and village to which it belongs. If you do not have a matai, write NO MATAI.
 Village _____ A. Samoa _____
 or W. Samoa _____

10. Own Mother:

1. Place of Birth _____
 Place _____ Country _____

2. If alive, where is she living now? If not alive, write DEAD. _____
 Place _____ Country _____

3. Person number of Mother if present in this Household. _____

11. Own Father:

1. Place of Birth _____
 Place _____ Country _____

2. If alive, where is he living now? If not alive, write DEAD. _____
 Place _____ Country _____

12. Is this village your usual place of residence? If No, give place where you normally live. _____
 Place _____

13. Education:

1. Are you presently attending school?

2. List all schools attended.

Name of School	Where Located	No. Yrs. Attnd.
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____

Total Years Attended _____

3. Highest Level Completed (Write grade, standard, form, etc.) _____

14. Employment:

1. Working in Agriculture

A. Are you working in Agriculture

If Yes

(1) Are you a matai using communal land?

(2) Are you an owner using freehold or leasehold land?

(3) Are you a holder of individually registered land?

(4) Are you rendering traditional service using size land?

(5) Are you working for wages in commercial agriculture.

Choose Only ONE

B. Are you working Full-time (FT) (35 hrs. or more) or Part-time (PT).

If Part-time (PT) give number of hrs. worked last week. _____

C. Did you sell produce (crops or livestock) for cash in the past year?

D. Is agriculture your principal source of income (more than half)?

11. Working in Paid Employment (except agriculture.)

A. Are you in Paid Employment (except agriculture, etc.)?

(1) What sort of work do you do? (See list of occupations including owner or self-employed) _____

(2) Place of work (village) _____

(3) Name of employer (eg. Dept. of Education, Van Camp, etc. Write owner if self-employed). _____

B. Are you working Full-time (FT) (35 hrs. or more) or Part-time (PT)?

If Part-time (PT) give no. of hrs. worked last week. _____

111. Receiving "Other" Income

Are you receiving cash income for which you do not presently work?

If Yes check type(s) which apply.

Retirement income (gov't. or commercial).

Veterans Benefit

Social Security

Regular support from size in: An. Samoa

Hawaii

U.S. Mainland

Elsewhere

Private Means (rentals, investment income, etc.)

11. Dependants and working in Household

Are you a dependant, or working in household? (including children, persons not in paid employment, old people, etc.) If Yes, are you dependent upon:

(1) A person working in communal agriculture? (1) (1 & 4)

(2) A person working in commercial agriculture? (1) (2, 3, 5)

(3) A person working in paid employment? (except agriculture?) (11)

(4) A person receiving "other" income? (111)

Choose only ONE

V. Not working

A. Are you unemployed? Write Yes only if you have become unemployed within the past year, and are now looking for another job, or have recently left school and are still looking for paid employment. If Yes, write number of months unemployed.

B. Are you working in communal agriculture - or a dependant, who would take paid employment if a suitable job became available?

C. Are you temporarily on leave from a job to which you will return? (Sick leave, vacation, annual leave, maternity leave, etc.)

15. Own Children

For FEMALES born in 1960 or before ONLY

1. Number of children ever born alive

2. Number of children still living

3. Age of mother at her first live birth _____
 Last live child born _____

1. Date of Birth _____
 Month _____ Day _____ Yr. _____

2. Sex

3. Is this child still alive now?

4. If dead now, give date of death. _____
 Month _____ Day _____ Yr. _____

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Figure 2
 Age Specific Birth Rates for Women of Different Years
 Determined by Own-Children Method

1974 Census of American Samoa

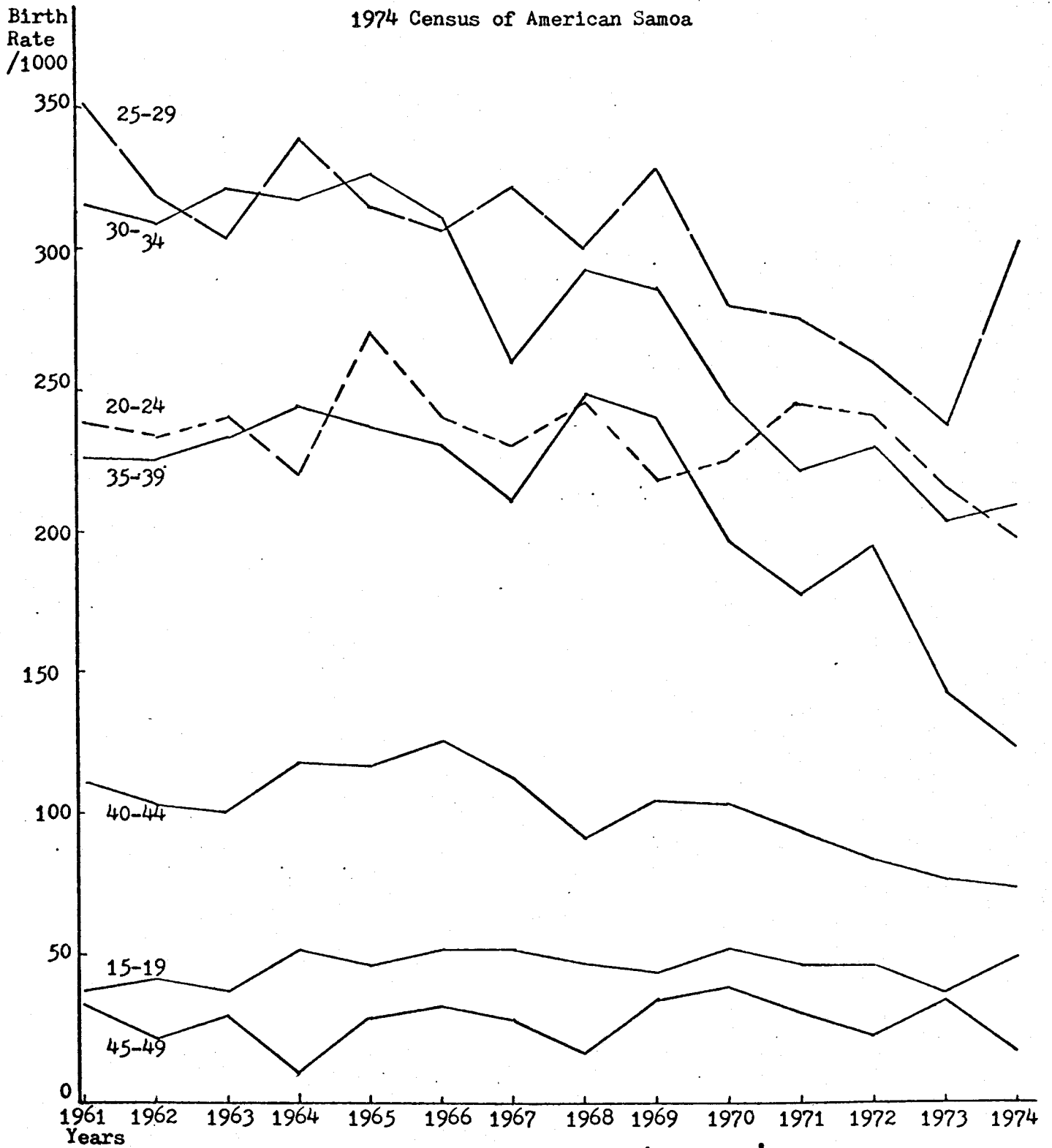
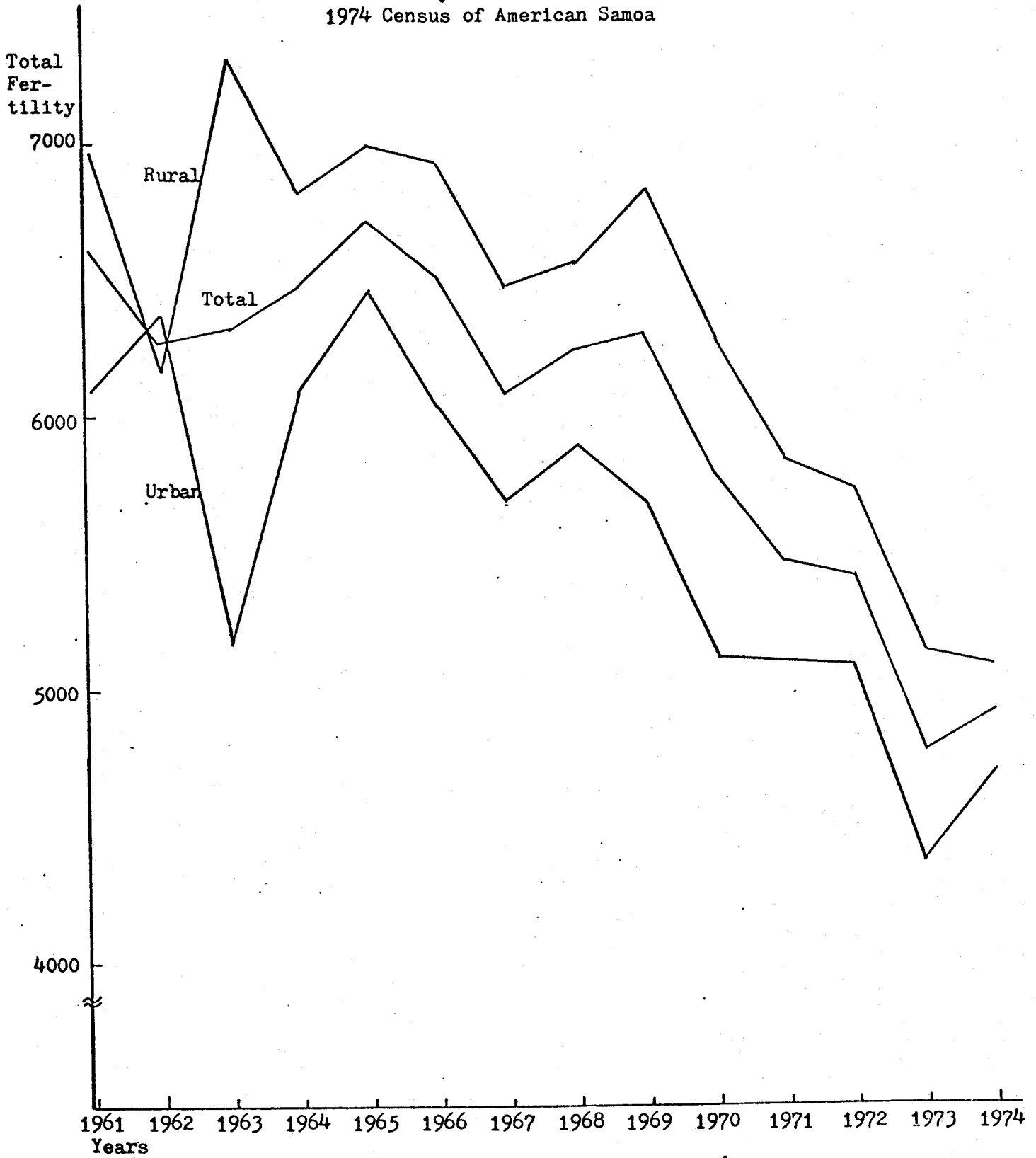


Figure 3

Total Fertility Rates for Women of Different Years
Determined by Own-Children Method
1974 Census of American Samoa



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MATCH AS 74

ESTIMATED SINGLE-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES (FC)

TOTAL

AGE OF WOMEN	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	17.9	6.2	10.6	4.2	4.7	15.0	12.9	5.3	13.3	10.7	19.6	16.0	19.2	11.4	19.0
2	12.6	18.3	26.2	9.1	9.4	15.0	12.9	13.4	8.1	20.2	17.7	16.0	6.1	11.4	19.2
3	37.4	31.5	38.2	27.4	27.4	34.7	28.7	13.4	37.9	27.2	33.9	13.0	10.4	11.4	48.1
4	74.8	39.0	55.4	62.9	82.3	76.4	74.7	76.4	79.2	44.1	49.9	37.4	58.3	35.9	70.4
5	93.5	55.5	73.7	103.1	129.2	105.1	126.2	110.6	115.1	61.6	78.9	104.6	103.0	56.8	59.4
6	115.5	100.1	140.9	159.4	159.6	133.9	167.9	147.3	123.1	179.1	142.3	152.9	166.6	118.4	93.2
7	156.6	166.6	208.8	211.0	201.3	143.1	189.8	205.7	187.8	249.3	209.5	177.0	221.4	167.2	179.9
8	193.5	237.5	235.9	215.6	244.5	196.9	211.2	239.4	285.0	241.2	231.4	250.2	212.6	275.0	212.9
9	217.7	258.9	278.1	276.4	255.9	244.3	303.6	264.9	300.4	280.8	261.4	293.6	260.1	315.0	260.3
10	244.5	211.9	293.8	322.1	243.1	267.9	306.1	290.6	256.1	388.5	284.0	294.2	322.8	320.8	320.9
11	254.3	194.2	258.0	277.6	255.7	306.2	251.8	295.1	296.6	367.8	306.2	283.5	307.9	313.1	326.7
12	306.1	223.1	219.0	252.3	278.4	336.0	250.7	308.7	332.6	320.3	345.1	297.0	345.1	307.9	333.0
13	312.5	240.2	268.5	270.3	280.6	341.1	325.1	291.4	306.9	260.3	375.0	349.8	344.5	372.3	320.7
14	282.2	240.2	284.3	268.5	274.3	347.1	378.6	326.7	341.1	260.3	371.2	343.9	344.5	381.3	291.9
15	280.8	254.6	265.5	293.5	287.0	326.9	310.7	361.6	308.1	320.8	322.7	287.5	299.2	384.4	364.5
16	274.4	194.3	256.4	363.8	333.9	352.9	298.7	320.4	275.2	337.7	364.7	341.6	299.2	374.4	335.9
17	195.2	205.3	203.7	271.3	307.8	312.9	350.8	280.8	344.5	337.0	317.8	386.0	326.2	333.9	348.4
18	218.9	276.8	224.3	160.0	195.9	265.7	334.6	240.8	334.2	327.5	312.7	308.9	298.5	300.8	328.5
19	206.4	258.6	261.3	194.4	195.9	253.4	334.6	231.9	325.3	325.0	312.7	267.7	298.5	300.8	288.5
20	173.4	187.7	245.4	199.8	214.1	247.5	292.6	238.7	325.6	272.5	309.3	267.7	241.3	259.2	254.0
21	169.1	182.6	269.2	236.0	248.4	247.5	277.6	244.7	303.6	272.5	309.3	270.7	241.3	259.2	254.0
22	176.3	145.5	231.7	163.1	212.2	276.3	293.0	243.9	244.7	244.2	310.1	207.8	237.6	294.6	263.4
23	120.9	164.3	188.8	167.1	179.6	247.3	261.3	229.7	208.8	214.7	180.2	246.0	250.5	279.6	263.4
24	118.0	148.5	205.2	190.9	189.0	198.2	215.2	197.5	216.9	255.3	180.2	184.4	228.6	135.1	265.4
25	173.9	163.4	206.6	178.1	181.8	145.7	161.1	154.9	172.3	239.5	165.3	169.4	162.5	127.1	232.8
26	120.7	149.0	117.2	121.2	181.8	145.7	161.1	154.9	172.3	161.0	185.4	148.1	116.4	195.3	238.5
27	67.5	62.0	69.1	89.4	113.3	102.9	94.3	125.6	141.3	139.7	127.5	123.9	117.0	175.5	146.3
28	80.4	66.5	64.4	110.2	69.0	117.6	84.0	114.1	118.4	108.5	100.5	103.7	191.7	100.1	146.3
29	83.4	71.4	66.3	73.2	78.1	187.3	34.0	179.7	82.3	82.1	60.3	53.2	51.2	44.3	33.4
30	58.3	85.1	51.4	50.6	80.3	43.5	23.4	64.7	74.0	66.5	17.2	27.2	50.7	36.9	36.5
31	32.5	74.1	46.7	45.6	50.6	64.8	27.1	41.9	44.0	25.3	8.8	32.4	45.1	36.4	28.2
32	18.9	57.7	41.2	42.2	24.2	32.8	32.8	30.2	25.6	17.3	10.5	36.0	22.2	56.3	13.3
33	26.2	46.2	14.8	31.5	46.8	59.7	29.6	17.2	26.2	30.8	11.6	35.5	24.3	26.5	14.5
34	13.5	7.1	0.0	9.1	25.5	30.8	8.4	18.8	10.4	2	0.0	13.7	24.3	0.0	14.1
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TFR	5153.6	5027.8	5671.0	5680.0	5899.1	6515.7	6397.1	6207.3	6628.3	6811.6	6557.5	6411.7	6324.3	6596.1	6479.0

AS

ESTIMATED SINGLE-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES(FCR)

ALL MPN

NUMBER OF YEARS PRECEDING THE 1974 CENSUS

AGE OF WOMEN	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
16	6.8	3.7	13.5	9.8	4.4	4.5	4.6	5.0	10.2	7.8	17.1	18.4	9.1	11.2	15.2
17	14.5	16.7	25.8	12.0	8.0	16.7	12.1	12.7	17.8	19.6	35.8	15.7	13.7	17.5	43.0
18	45.0	34.3	39.0	30.1	30.2	33.0	32.0	36.4	39.1	32.1	48.7	14.2	34.5	35.3	72.0
19	83.4	43.8	61.2	77.1	91.7	54.0	77.9	75.6	84.7	62.6	65.4	39.2	54.0	60.2	58.0
20	107.3	71.5	85.3	120.8	140.6	113.0	124.0	120.0	131.1	124.8	97.1	108.0	106.7	82.3	91.0
21	145.0	198.7	157.2	176.4	172.0	158.3	178.1	155.3	144.9	255.4	144.8	159.3	169.8	178.2	154.6
22	202.1	251.8	244.4	237.1	247.6	232.2	238.3	255.3	294.3	245.1	241.5	255.1	210.1	275.1	217.0
23	257.1	337.5	287.7	290.1	256.8	269.5	322.4	270.1	276.0	289.3	252.7	304.1	257.1	309.9	259.1
24	287.0	242.7	280.7	324.9	292.3	315.9	271.3	320.6	293.3	364.2	300.1	290.2	313.6	308.1	324.6
25	329.5	253.4	221.7	285.2	312.3	350.5	259.0	321.6	322.2	326.8	354.9	290.4	346.3	302.9	342.5
26	300.0	226.2	263.4	273.9	284.9	350.6	324.2	286.2	302.2	293.4	371.8	336.1	340.5	372.1	261.5
27	300.2	237.6	289.0	259.2	260.3	339.9	372.9	335.7	326.8	281.4	369.3	336.1	294.1	404.9	302.2
28	305.7	254.9	282.7	270.9	276.8	306.0	304.8	369.7	295.1	320.6	316.5	332.0	312.2	407.8	367.5
29	273.7	195.0	202.7	327.7	315.5	326.9	351.8	332.9	270.2	371.2	311.9	345.5	337.6	374.3	332.1
30	228.8	190.7	202.7	263.9	291.2	292.0	304.0	290.3	335.5	342.6	363.5	337.9	333.3	325.7	345.0
31	183.3	143.0	219.6	161.8	236.5	257.0	355.8	239.6	337.3	318.5	323.3	333.4	277.4	325.7	323.2
32	181.2	235.0	256.9	190.3	236.5	257.0	315.4	307.7	307.7	322.2	307.8	302.2	295.0	296.0	284.5
33	182.7	193.4	238.9	196.9	191.9	324.8	315.4	227.2	316.9	290.9	298.9	260.2	318.5	272.2	284.5
34	154.0	174.6	222.2	189.9	226.7	229.7	272.1	238.3	301.6	258.8	301.4	260.3	238.5	255.3	247.9
35	150.4	147.8	244.1	201.6	214.1	268.1	261.2	243.1	244.2	231.8	304.9	302.1	241.0	296.8	237.5
36	140.1	132.3	225.1	152.9	203.3	273.1	261.2	205.7	200.0	212.8	263.9	242.9	254.0	282.7	256.9
37	95.2	139.8	155.6	161.9	179.0	251.3	244.3	200.0	207.8	247.0	174.1	177.3	225.9	141.3	226.0
38	98.5	119.9	164.8	184.0	181.6	198.2	198.4	183.0	217.6	237.8	159.8	165.9	160.6	144.3	226.1
39	121.3	143.4	192.5	172.2	164.9	143.0	147.4	147.6	164.7	163.0	179.2	126.3	115.1	191.9	211.3
40	84.7	125.4	111.5	108.9	120.9	197.8	191.4	100.7	135.3	113.3	130.9	99.7	122.4	164.8	160.6
41	53.6	46.1	53.0	70.5	90.6	89.6	88.9	95.1	113.5	105.0	105.2	89.8	98.9	94.5	154.8
42	64.7	46.5	44.9	73.8	64.3	105.4	39.5	75.9	178.9	171.5	8.3	42.7	50.6	32.7	32.6
43	58.8	47.6	40.1	47.5	62.8	48.2	14.7	61.6	63.6	50.1	8.3	26.2	40.1	24.2	48.2
44	29.5	67.6	17.5	47.5	62.4	48.2	17.0	61.6	35.8	16.3	0.0	31.2	22.3	35.8	35.7
45	14.1	61.8	24.2	42.7	47.2	46.2	30.9	21.6	24.5	16.7	10.1	34.6	11.0	55.8	27.6
46	10.9	29.2	31.1	32.9	15.1	44.6	2	8.4	25.1	29.8	11.2	34.2	12.8	41.5	13.0
47	17.0	13.4	13.4	14.7	26.2	14.6	0.0	8.4	10.0	22.1	0.0	13.2	12.0	17.0	0.0
48	5.8	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TFR	4960.9	4844.4	5532.3	5534.7	5787.7	6394.6	6334.0	6156.7	6584.9	6768.8	6532.5	6372.8	6290.6	6571.6	6468.9

5-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES

TOTAL

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
15-19	43.6	43.6	39.4	38.9	48.0	42.6	47.7	46.5	48.3	43.3	43.5	33.8	40.7	36.4	55.7
20-24	183.0	183.0	228.6	233.6	218.4	193.2	231.8	225.4	226.6	260.9	222.1	233.0	237.6	239.9	221.8
25-29	287.1	287.1	258.6	273.7	274.4	370.2	304.0	317.1	317.6	318.6	340.8	310.9	316.8	351.3	324.2
30-34	226.2	226.2	238.8	237.3	260.9	317.0	301.0	262.6	319.3	329.7	325.1	327.8	309.8	325.4	321.8
35-39	153.9	153.9	167.1	144.6	212.1	248.3	263.2	228.1	239.1	245.3	253.7	236.1	226.5	227.4	249.7
40-44	104.9	104.9	100.9	114.3	122.5	111.6	90.5	126.7	135.3	126.1	118.2	106.3	100.2	119.1	105.5
45-49	31.8	31.8	32.5	37.6	47.2	53.7	24.4	32.2	37.8	34.3	10.0	20.3	34.3	31.6	22.2
TFR (15-49)	5162.2	5010.7	5652.5	5650.1	5917.5	6482.9	6362.5	6193.3	6620.4	6791.4	6566.9	6401.1	6330.1	6655.6	6504.3
TFR* (15-44)	5003.4	4728.6	5489.8	5461.9	5691.6	6214.6	6240.4	6032.1	6431.4	6620.1	6516.8	6254.4	6158.4	6497.5	6392.8
GFR (15-49)	147.6	139.7	159.8	161.1	166.9	179.2	181.3	176.5	187.4	195.1	191.5	187.1	187.5	194.4	197.0
GFR* (15-44)	158.7	147.3	170.9	171.4	176.8	189.7	194.4	188.8	200.4	208.3	206.3	199.3	198.9	210.7	209.7
STD GFR (15-49)	147.5	143.2	161.5	161.4	169.1	185.2	181.8	177.0	189.2	194.0	187.6	182.9	180.9	190.2	185.8
STD GFR*(15-44)	166.8	157.6	183.0	182.1	189.4	207.2	208.0	201.1	214.4	220.7	217.2	208.5	205.3	216.6	213.1

BIRTH RATES

WOMEN'S AGE	1970 - 1974				1965 - 1969				1960 - 1964					
	1970	1971	1972	1973	1965	1966	1967	1968	1969	1960	1961	1962	1963	1964
15-19	30.7	30.7	30.7	30.7	45.7	45.7	45.7	45.7	45.7	41.7	41.7	41.7	41.7	41.7
20-24	210.3	210.3	210.3	210.3	226.1	226.1	226.1	226.1	226.1	230.8	230.8	230.8	230.8	230.8
25-29	263.9	263.9	263.9	263.9	317.6	317.6	317.6	317.6	317.6	328.8	328.8	328.8	328.8	328.8
30-34	238.4	238.4	238.4	238.4	306.1	306.1	306.1	306.1	306.1	331.9	331.9	331.9	331.9	331.9
35-39	180.3	180.3	180.3	180.3	244.7	244.7	244.7	244.7	244.7	258.7	258.7	258.7	258.7	258.7
40-44	109.0	109.0	109.0	109.0	118.9	118.9	118.9	118.9	118.9	110.0	110.0	110.0	110.0	110.0
45-49	40.9	40.9	40.9	40.9	36.6	36.6	36.6	36.6	36.6	25.1	25.1	25.1	25.1	25.1
TFR	5463.1	5463.1	5463.1	5463.1	6478.2	6478.2	6478.2	6478.2	6478.2	6489.7	6489.7	6489.7	6489.7	6489.7

AS ALL

5-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES

A574 MPW

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
15-19	49.5	32.9	43.3	47.3	52.3	42.4	47.9	47.5	51.8	46.0	50.8	37.3	40.9	36.6	52.6
20-24	200.1	214.2	245.9	248.2	230.3	221.4	248.5	233.1	242.9	270.4	220.5	242.6	236.6	242.7	224.2
25-29	308.5	243.1	267.2	278.6	286.9	331.8	306.2	326.9	308.5	318.0	341.6	306.1	321.4	358.3	332.6
30-34	213.5	210.8	237.4	226.6	250.3	294.5	296.8	266.5	315.3	329.6	320.6	323.7	311.2	319.1	316.3
35-39	130.0	150.1	203.4	178.4	201.0	243.2	250.1	213.2	233.2	237.4	247.4	232.4	226.5	231.4	246.8
40-44	176.4	80.1	86.1	94.2	107.0	106.0	93.8	112.9	129.6	119.1	120.4	102.2	102.3	113.6	110.9
45-49	16.3	36.5	17.9	29.9	35.2	35.5	16.9	27.5	32.9	27.9	5.8	28.2	20.4	23.3	16.3
TFR (15-49)	4571.8	4838.5	5506.8	5516.1	5815.1	6374.0	6300.2	6138.3	6571.4	6742.3	6535.8	6362.6	6296.3	6625.1	6496.7
TFR* (15-44)	4890.2	4656.1	5417.0	5366.8	5639.1	6196.5	6215.8	6000.9	6406.8	6602.7	6506.7	6221.5	6194.5	6508.4	6415.1
GFR (15-49)	147.6	139.7	159.7	161.0	166.9	179.3	181.4	176.5	187.6	195.1	191.5	186.9	187.5	198.4	197.0
GFR* (15-44)	160.1	149.1	172.0	172.0	177.8	191.3	195.2	189.3	201.0	209.4	206.6	193.2	199.9	211.3	210.1
STD GFR (15-49)	142.1	138.2	157.3	157.6	166.1	182.1	180.0	175.4	187.8	192.6	186.7	181.8	179.9	189.3	185.6
STD GFR* (15-44)	163.0	155.2	180.6	178.9	188.0	206.5	207.2	200.0	213.6	220.1	216.9	207.4	206.5	216.9	213.8

BIRTH RATES

WOMEN'S AGE	1970	1974	1965	1969	1960	1964
15-19	44.9	47.0	47.0	47.0	43.6	43.6
20-24	226.9	242.2	242.2	242.2	233.2	233.2
25-29	276.9	318.4	318.4	318.4	331.8	331.8
30-34	227.4	300.1	300.1	300.1	318.2	318.2
35-39	171.2	235.3	235.3	235.3	237.0	237.0
40-44	88.8	111.4	111.4	111.4	109.9	109.9
45-49	26.7	28.2	28.2	28.2	18.5	18.5
TFR	5314.3	6412.6	6412.6	6412.6	6461.2	6461.2

ESTIMATED SINGLE-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES (FC)

TOTAL AS74 MISMATCH (MATCH IGNORING RELATIONSHIP)

AGE OF WOMEN	NUMBER OF YEARS PRECEDING THE 1974 CENSUS													
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13
15	1974	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960		
16	15.2	19.4	14.7	39.4	22.5	43.3	51.1	60.1	69.7	43.5	43.9	81.3		
17	7.4	18.2	24.5	46.5	43.0	58.2	69.9	78.6	85.7	49.2	44.2	81.6		
18	25.8	22.4	53.0	56.1	70.0	85.1	79.5	88.2	92.6	71.2	79.1	85.6		
19	53.1	60.2	108.0	91.7	100.4	112.5	79.9	96.7	74.8	84.0	93.7	84.6		
20	68.4	103.2	144.4	129.3	136.4	157.6	120.5	109.6	130.1	127.6	115.0	101.1		
21	85.7	158.1	166.7	164.9	157.0	163.1	191.3	152.6	171.3	187.6	161.4	191.4		
22	110.3	202.0	205.0	177.7	209.0	198.7	242.9	205.7	192.9	217.1	250.3	204.0		
23	145.5	251.3	225.4	225.4	253.3	263.8	322.9	219.9	239.6	249.1	284.0	249.9		
24	178.0	292.0	258.1	278.9	258.1	282.4	364.6	250.6	273.2	305.1	286.9	318.1		
25	238.8	351.3	283.3	272.4	283.1	295.3	336.6	285.5	257.4	293.8	283.1	359.4		
26	279.8	428.7	268.4	257.6	307.1	295.8	292.0	319.2	257.9	334.1	283.1	324.2		
27	259.9	274.3	294.4	247.7	288.4	311.6	265.9	338.9	303.3	328.5	342.4	262.6		
28	252.3	228.2	289.7	283.4	267.8	289.2	276.2	347.5	312.3	278.1	375.7	290.9		
29	226.8	228.2	265.6	336.3	297.3	326.8	273.4	287.0	270.5	304.5	376.5	336.1		
30	197.0	231.5	296.5	248.0	323.3	283.3	323.4	288.1	270.5	310.5	334.8	300.2		
31	169.1	146.1	277.6	297.5	269.0	314.2	325.0	288.6	321.9	328.3	299.0	296.0		
32	194.2	178.0	215.6	331.5	210.2	307.1	294.3	294.4	281.9	262.0	295.0	269.5		
33	183.1	190.0	329.5	318.9	189.9	285.5	273.7	294.4	261.4	264.5	272.5	237.2		
34	153.9	228.9	244.2	279.4	203.8	293.6	269.6	304.2	262.4	290.2	272.6	218.2		
35	161.9	210.0	244.4	267.1	251.8	273.2	270.3	293.1	264.6	299.9	254.3	218.2		
36	156.5	164.5	203.5	244.2	216.6	231.3	247.7	285.9	290.9	221.7	272.8	266.1		
37	112.1	170.6	168.5	170.0	216.6	207.8	212.8	237.0	240.9	222.1	262.8	304.1		
38	105.5	177.7	179.5	203.2	223.1	231.7	272.5	163.8	177.9	196.4	139.8	272.0		
39	124.4	159.4	151.4	151.4	216.6	206.8	211.6	174.0	191.8	144.0	137.5	217.6		
40	96.9	151.1	130.7	206.2	226.8	146.7	148.5	155.5	160.1	129.6	171.7	163.7		
41	99.9	121.3	124.8	105.5	168.5	163.8	145.0	133.2	159.7	149.1	120.5	98.6		
42	147.9	121.3	102.6	125.5	124.8	149.2	121.6	149.2	159.7	125.6	138.7	108.6		
43	125.0	147.8	105.5	113.9	129.5	130.8	112.6	135.3	159.7	105.6	174.1	140.7		
44	99.2	145.6	105.6	93.8	90.9	136.2	157.1	108.8	104.4	105.9	152.6	148.7		
45	110.7	146.6	138.5	156.4	121.7	154.1	87.5	89.6	127.1	90.0	150.5	126.4		
46	127.5	134.6	142.5	143.8	122.5	124.5	88.8	115.5	141.2	157.7	186.2	86.7		
47	117.8	132.6	115.4	111.9	125.5	124.5	88.8	115.5	141.2	157.7	186.2	86.7		
48	65.8	71.6	57.4	40.6	52.8	62.5	49.4	107.5	23.1	21.6	135.9	105.0		
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
TFR	4895.8	4958.9	5738.4	5884.2	6228.5	6717.5	7308.7	7110.9	6851.7	6659.9	7087.1	7079.6		

5-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES

TOTAL AS 74 NOMATCH

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
15-19	30.8	32.3	40.2	42.5	67.1	59.8	72.9	72.2	88.9	76.5	85.4	77.5	72.7	69.8	86.3
20-24	130.4	165.8	204.9	215.9	217.8	213.2	222.5	228.6	227.6	255.6	216.2	231.2	233.2	220.1	220.9
25-29	259.9	194.6	241.2	244.9	274.0	288.1	281.3	299.9	302.1	298.3	314.7	278.9	307.7	329.6	315.1
30-34	195.6	194.9	220.3	213.5	234.6	287.1	293.6	241.7	235.0	304.0	236.9	298.6	293.7	294.9	270.5
35-39	140.0	141.5	198.1	181.8	197.2	234.3	246.8	226.3	232.0	256.1	205.4	235.8	205.4	220.5	254.3
40-44	118.9	133.7	125.7	169.1	150.4	140.7	126.7	157.1	154.9	173.5	153.2	145.4	123.8	160.7	147.8
45-49	104.4	128.2	113.9	117.2	104.8	130.9	96.5	114.5	122.5	90.4	112.4	104.3	97.4	128.7	122.5
TFR (15-49)	4899.6	4954.4	5721.4	5878.8	6229.4	6768.4	6701.4	6702.0	7105.2	7271.6	7105.2	6859.3	6669.3	7121.9	7086.5
TFR* (15-44)	4377.5	4313.6	5152.1	5292.8	5705.5	6114.0	6219.0	6129.5	6492.9	6819.5	6543.2	6337.9	6182.4	6478.4	6474.2
GFR (15-49)	132.1	132.6	156.1	160.9	173.8	184.7	187.6	187.3	199.3	205.7	201.8	196.3	194.2	203.8	205.1
GFR* (15-44)	134.7	133.0	159.7	164.5	179.5	189.2	195.2	193.5	206.0	215.6	209.1	203.5	201.4	209.4	211.1
STD GFR (15-49)	140.0	141.6	163.5	168.0	178.0	193.4	191.5	191.5	203.0	207.8	203.0	196.0	190.6	203.5	202.5
STD GFR*(15-44)	145.9	143.8	171.7	176.4	190.2	203.8	207.3	204.3	216.4	227.3	218.1	211.3	206.1	215.5	215.8

BIRTH RATES

WOMEN'S AGE	1970	1974	1965	1969	1960	1964
15-19	41.9	73.7	78.4	78.4	78.4	78.4
20-24	185.0	228.4	224.3	224.3	224.3	224.3
25-29	241.9	293.8	292.0	292.0	292.0	292.0
30-34	211.4	283.0	230.5	230.5	230.5	230.5
35-39	170.5	239.0	146.2	146.2	146.2	146.2
40-44	137.8	149.2	112.6	112.6	112.6	112.6
45-49	113.8	111.4	6964.2	6964.2	6964.2	6964.2
TFR	5511.5	6896.8				

CENTRAL 5-YEAR BIRTH MATRIX
TOTAL MPN

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
15-19	79.	51.	65.	68.	71.	56.	61.	58.	61.	51.	54.	37.	39.	32.	44.
20-24	264.	270.	297.	290.	255.	232.	249.	221.	213.	224.	175.	187.	180.	183.	165.
25-29	322.	242.	252.	243.	235.	207.	235.	247.	231.	234.	241.	205.	205.	222.	205.
30-34	168.	161.	178.	169.	198.	207.	198.	169.	194.	202.	198.	207.	202.	203.	197.
35-39	91.	99.	128.	109.	122.	149.	159.	137.	147.	147.	146.	127.	114.	108.	110.
40-44	46.	50.	155.	59.	66.	62.	51.	56.	60.	52.	52.	42.	41.	45.	42.
45-49	9.	19.	9.	14.	15.	15.	7.	11.	13.	10.	2.	9.	6.	6.	4.

CENTRAL 5-YEAR WOMEN MATRIX

15-19	1605.	1548.	1499.	1429.	1365.	1322.	1265.	1212.	1172.	1111.	1053.	1005.	950.	891.	831.
20-24	1317.	1260.	1208.	1168.	1106.	1049.	1000.	946.	878.	828.	794.	771.	760.	754.	738.
25-29	1043.	995.	941.	873.	823.	790.	767.	756.	750.	734.	706.	671.	637.	620.	616.
30-34	785.	762.	751.	745.	730.	702.	667.	634.	617.	612.	618.	639.	646.	636.	623.
35-39	697.	663.	629.	612.	608.	614.	634.	643.	632.	619.	590.	544.	503.	468.	444.
40-44	608.	628.	637.	626.	613.	585.	539.	498.	463.	440.	428.	413.	406.	398.	376.
45-49	577.	532.	492.	457.	434.	422.	407.	400.	393.	371.	341.	314.	291.	277.	263.

CENTRAL 5-YEAR BIRTH MATRIX

TOTAL AS74 WOMA-TC#

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
15-19	49.	50.	60.	61.	92.	79.	92.	88.	104.	85.	90.	78.	69.	62.	72.
20-24	172.	209.	247.	252.	241.	224.	223.	216.	200.	212.	172.	178.	177.	166.	163.
25-29	271.	194.	227.	214.	226.	228.	216.	227.	226.	219.	222.	187.	196.	204.	194.
30-34	154.	149.	166.	159.	171.	202.	196.	153.	181.	186.	187.	191.	190.	188.	168.
35-39	98.	94.	125.	111.	120.	144.	157.	146.	147.	158.	140.	128.	103.	103.	113.
40-44	72.	84.	80.	100.	92.	82.	68.	78.	72.	76.	66.	60.	50.	64.	56.
45-49	60.	68.	56.	54.	45.	55.	39.	46.	48.	34.	38.	33.	28.	36.	32.

CENTRAL 5-YEAR WOMEN MATRIX

15-19	1605.	1548.	1499.	1429.	1365.	1322.	1265.	1212.	1172.	1111.	1053.	1005.	950.	881.	831.
20-24	1317.	1260.	1208.	1168.	1106.	1049.	1000.	946.	878.	828.	794.	777.	760.	754.	738.
25-29	1043.	995.	941.	873.	823.	790.	767.	756.	750.	734.	706.	671.	637.	620.	616.
30-34	785.	762.	751.	745.	730.	702.	697.	634.	617.	612.	618.	639.	648.	626.	623.
35-39	697.	663.	629.	612.	608.	614.	634.	643.	632.	619.	590.	544.	503.	468.	444.
40-44	608.	628.	637.	626.	613.	585.	539.	498.	463.	440.	428.	413.	406.	398.	378.
45-49	577.	532.	492.	457.	434.	422.	407.	400.	393.	371.	341.	314.	291.	277.	263.

MATCH 13 74

CENTRAL 5-YEAR BIRTH MATRIX

TOTAL

NUMBER OF YEARS PRECEDING THE 1974 CENSUS

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
15-19	70.	45.	59.	56.	66.	56.	60.	56.	57.	48.	46.	34.	39.	32.	46.
20-24	241.	243.	276.	273.	242.	203.	232.	213.	199.	216.	176.	180.	181.	181.	164.
25-29	299.	225.	243.	239.	226.	261.	233.	240.	238.	234.	241.	200.	232.	218.	200.
30-34	179.	174.	179.	177.	190.	223.	201.	166.	197.	202.	201.	209.	201.	207.	200.
35-39	107.	111.	145.	119.	129.	152.	187.	147.	151.	152.	150.	130.	114.	106.	111.
40-44	64.	63.	65.	71.	75.	65.	54.	63.	63.	55.	51.	44.	41.	47.	40.
45-49	18.	30.	16.	17.	20.	23.	10.	13.	15.	13.	3.	9.	10.	9.	6.

CENTRAL 5-YEAR WOMEN MATRIX

15-19	1605.	1548.	1499.	1429.	1365.	1322.	1265.	1212.	1172.	1111.	1053.	1005.	950.	881.	831.
20-24	1317.	1260.	1208.	1168.	1106.	1049.	1000.	946.	878.	828.	794.	771.	750.	754.	738.
25-29	1043.	995.	941.	873.	823.	790.	767.	756.	750.	734.	706.	671.	637.	620.	616.
30-34	1785.	762.	751.	745.	730.	702.	667.	634.	617.	612.	618.	639.	648.	636.	623.
35-39	697.	663.	629.	612.	608.	614.	634.	643.	632.	619.	590.	544.	503.	468.	444.
40-44	608.	648.	637.	626.	613.	585.	539.	498.	463.	440.	428.	413.	406.	398.	376.
45-49	577.	532.	492.	457.	434.	422.	407.	400.	393.	371.	341.	314.	291.	277.	263.

CENTRAL 5-YEAR BIRTH MATRIX

MARRIED TOTAL AS74

WOMEN'S AGE	NUMBER OF YEARS PRECEDING THE 1974 CENSUS														
	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
15-19	62.	49.	59.	65.	72.	54.	60.	55.	61.	52.	51.	39.	38.	33.	46.
20-24	254.	269.	295.	289.	251.	229.	247.	220.	211.	222.	181.	191.	188.	183.	167.
25-29	333.	242.	253.	246.	236.	267.	237.	245.	236.	234.	241.	204.	209.	224.	208.
30-34	174.	162.	182.	171.	184.	212.	200.	173.	192.	204.	230.	203.	194.	204.	196.
35-39	95.	99.	129.	112.	122.	152.	157.	131.	152.	147.	139.	128.	112.	105.	107.
40-44	50.	52.	56.	56.	67.	61.	50.	57.	56.	50.	53.	41.	39.	44.	38.
45-49	19.	20.	9.	12.	16.	16.	7.	11.	13.	11.	2.	8.	6.	7.	5.

CENTRAL 5-YEAR WOMEN MATRIX

15-19	1605.	1548.	1499.	1429.	1365.	1322.	1265.	1212.	1172.	1111.	1053.	1005.	950.	881.	831.
20-24	1317.	1260.	1208.	1168.	1106.	1049.	1007.	946.	878.	828.	794.	771.	760.	754.	738.
25-29	1043.	995.	941.	873.	823.	797.	767.	756.	759.	734.	706.	671.	637.	620.	616.
30-34	785.	762.	751.	745.	730.	702.	667.	634.	617.	612.	618.	639.	648.	636.	623.
35-39	697.	663.	639.	612.	608.	614.	634.	643.	632.	619.	593.	544.	503.	468.	444.
40-44	608.	628.	637.	626.	613.	585.	539.	498.	463.	440.	428.	413.	406.	398.	376.
45-49	577.	532.	492.	457.	434.	422.	407.	400.	393.	371.	341.	314.	291.	277.	263.

5-YEAR CENTRAL AGE-SPECIFIC BIRTH RATES

MARRIED TOTAL ASSTY

NUMBER OF YEARS PRECEDING THE 1974 CENSUS

<1 1 2 3 4 5 6 7 8 9 10 11 12 13 14

WOMEN'S AGE	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
15-19	38.8	31.4	39.6	45.4	52.8	43.9	47.1	45.6	52.2	47.0	48.7	38.6	40.1	36.9	55.6
20-24	193.1	213.3	244.0	247.1	226.9	218.7	246.5	232.9	240.8	268.0	228.1	247.7	247.3	243.4	226.7
25-29	318.8	243.3	268.9	282.2	286.5	329.5	368.9	329.9	314.6	318.7	340.8	304.6	328.6	361.2	336.8
30-34	221.8	212.3	242.1	228.9	252.2	301.6	259.8	273.4	311.5	333.5	322.9	317.8	299.8	320.9	314.9
35-39	136.8	148.8	205.3	183.2	230.4	246.7	249.0	204.4	239.9	236.9	236.3	236.7	221.9	224.5	240.5
40-44	82.6	83.5	88.0	90.2	110.1	104.1	53.6	114.9	120.5	114.1	124.6	99.1	95.7	111.5	100.8
45-49	17.6	38.0	18.8	26.9	36.2	36.8	17.5	28.6	32.2	29.3	6.0	24.7	21.4	24.1	17.3
TFR (15-49)	5047.5	4853.4	5533.1	5520.3	5825.6	6391.9	6317.0	6148.9	6558.7	6737.4	6537.0	6341.0	6274.4	6613.0	6463.1
TFR* (15-44)	4959.3	4663.3	5439.3	5385.6	5644.5	6207.8	6219.5	6008.7	6397.9	6591.0	6506.9	6217.3	6167.2	6492.6	6376.9
GFR (15-49)	147.6	139.7	159.7	161.0	166.9	179.3	181.4	176.5	187.7	195.1	191.5	186.9	187.5	198.4	197.0
GFR* (15-44)	160.0	149.0	172.0	172.2	177.8	191.2	195.1	189.1	201.2	209.3	206.8	199.5	199.8	211.2	210.0
STD GFR (15-49)	144.2	138.7	158.1	157.7	166.4	182.6	180.2	175.7	187.4	192.5	186.8	181.2	179.3	188.9	184.7
STD GFR* (15-44)	165.3	155.4	181.3	179.5	188.1	206.9	207.3	200.2	213.3	219.7	216.9	207.2	205.6	216.4	212.6

BIRTH RATES

WOMEN'S AGE	1970	1974	1965	1969	1960	1964
15-19	41.3	46.4	46.4	43.8	43.8	43.8
20-24	224.0	240.3	240.3	238.6	238.6	238.6
25-29	280.2	320.4	320.4	334.1	334.1	334.1
30-34	231.2	303.6	303.6	315.2	315.2	315.2
35-39	173.6	235.0	235.0	231.9	231.9	231.9
40-44	90.8	108.8	108.8	106.6	106.6	106.6
45-49	27.2	28.9	28.9	18.3	18.3	18.3
TFR	5341.3	6417.1	6417.1	6442.8	6442.8	6442.8