

**TRANSACTIONS OF SOCIETY OF ACTUARIES
1975 REPORTS**

REPORT OF THE COMMITTEE ON GROUP ANNUITIES
GROUP ANNUITY MORTALITY

IN THE past there has been an annual series of reports covering mortality experience since 1924 with retired lives under group deferred annuity and deposit administration contracts. The last prior report was published in the *1969 Reports* number and included preliminary 1968 data. Since that time some of the reporting companies have had data-processing problems which have delayed submission of data.

Additional reporting of experience for 1968 and earlier years is reflected in this report. Experience for the years 1969–71 is reported for the first time. Data for 1972 and later are too incomplete at this time to be incorporated in this report. The section immediately following describes the format of the study, and the balance of the report states our principal conclusions.

FORMAT OF STUDY

The data gathered from contributing companies each year include exposures and deaths in the latest experience year and corrections of data submitted for prior years. (Companies contributing to this current study are listed at the end of this report.) These data are combined for all companies and are compiled as shown in Tables 1–9. The data are confined to single life annuities (joint and survivor annuities are excluded from the study). The data are divided into three major classifications:

1. *Retirement on or after normal retirement date.*—This class consists of employees who retire on or after the normal retirement date specified by the plan under which they are covered. If annuities have been purchased and the contract allows the commencement of such annuities to be deferred beyond the normal retirement date, the exposures and deaths between the normal retirement dates and the actual retirement dates are included with the data for this classification.

2. *Retirement prior to normal retirement date.*—This class consists of employees who retired before the normal retirement date under a plan.

3. *Retirement under a plan having no stated normal retirement date.*—This class might be designated "retirement status unknown" and consists of retirements where the available information does not permit determination of whether a given retirement is normal, early, or late. Experience for this class should be analogous to a combination of the two preceding classes. However, experience is limited to the period after actual retirement date.

Tables 1-3 display, for given years of experience, detailed data for each of the three retirement classifications. These include, in five-year age groups and in total, exposures and actual deaths plus expected deaths and mortality ratios, both by number of lives and by amount of annual income. Expected mortality for men is based on the *Ga*-1951 Table without projection and, alternatively, the *Ga*-1951 Table with Projection Scale C to the year of exposure. Expected mortality for women is based on the above male tables with ages set back five years.

An updated set of Tables 1-3 is included for 1968 experience. This set supersedes the 1968 experience tables reported in the *1969 Reports*. Tables 1-3 for each of the years 1969, 1970, and 1971 show these years' experience for the first time.

Tables 4-6 summarize the studies of all years and are a convenient quick reference for trends. They eliminate the age breakdown but show, for each year 1966-71 and for indicated calendar-year periods before 1966, exposures and deaths by lives and annual income and the corresponding mortality ratios based on the *Ga*-1951 Table without projection (set back five years for women).

Tables 7-9 display by age groups for selected five-year periods the mortality ratios by lives and amounts and, as an indication of statistical significance, the corresponding numbers of actual deaths. Also, these tables show at the bottom of each page adjusted total mortality ratios. The adjusted ratios are computed by conforming the relative weight for each age group to that in 1971. The purpose of the adjustment is to remove the effect of a shift in age distribution on the total mortality ratio, thus more clearly revealing long-term mortality trends.

PRINCIPAL CONCLUSIONS

Over half the exposure continues to be for lives retiring on or after normal retirement date. Table 7 indicates that there is some recent improvement in male mortality. On the basis of the *Ga*-1951 Table without projection, the adjusted mortality ratios for men retired on or after normal retirement date decreased from 106.1 per cent for the period 1961-65 to 101.1 per cent for the period 1967-71 by lives and from 100.5 to 95.9 per cent by amount of annual income over the same period. Similar improvement is indicated for women.

Mortality for early retirements traditionally has run considerably higher than mortality on normal retirements, reflecting in part the early retirement of persons in poor health. The excess mortality has been decreasing, however, and this trend continues through the most recent period reported. The exposure for early retirements has continued to

TABLE 1 (1968)

INTERCOMPANY GROUP ANNUITY MORTALITY—MATURED LIFE EXPERIENCE FOR 1968
RETIREMENT ON OR AFTER NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH G _a -1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH G _a -1951 TABLE (WITH PROJECTION C TO 1968)*			
					By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
	Exposed	Actual Deaths	Exposed	Actual Deaths	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	84.76	4	\$ 104,551	\$ 2,888	0.34	†	\$ 551	†	0.26	†	\$ 446	†
51-55	433.14	12	690,276	9,041	4.22	†	6,627	†	3.40	†	5,354	†
56-60	2,129.23	59	3,125,697	62,228	29.76	198.3%	44,432	140.1%	23.99	245.9%	35,864	173.5%
61-65	29,638.27	739	41,181,400	940,090	690.27	107.1	954,078	98.5	557.34	132.6	770,421	122.0
66-70	111,221.37	3,872	135,959,050	4,424,685	3,660.67	105.8	4,446,393	99.5	2,956.29	131.0	3,590,991	123.2
71-75	92,003.88	5,106	96,900,416	4,969,314	4,763.86	107.2	4,986,001	99.7	3,944.59	129.4	4,125,812	120.4
76-80	52,383.26	4,344	46,051,844	3,439,770	4,251.34	102.2	3,706,803	92.8	3,704.88	117.3	3,227,038	106.6
81-85	20,792.46	2,572	15,207,437	1,867,481	2,568.90	100.1	1,870,018	99.9	2,365.27	108.7	1,721,874	108.5
86-90	4,961.04	843	3,470,006	545,274	848.30	99.4	593,465	91.9	824.03	102.3	577,464	94.4
91-95	794.51	188	604,125	125,992	182.02	103.3	139,235	90.5	182.02	103.3	139,235	90.5
96 and over	86.67	18	86,392	18,048	28.54	63.1	29,908	60.3	28.54	63.1	29,908	60.3
All ages	314,528.59	17,757	\$343,381,194	\$16,404,811	17,028.22	104.3%	\$16,777,511	97.8%	14,590.61	121.7%	\$14,224,407	115.3%
Females												
50 and under	43.49	0	\$ 33,508	\$ 0	0.08	†	\$ 81	†	0.06	†	\$ 64	†
51-55	440.89	3	212,397	2,309	2.70	†	1,276	†	2.12	†	1,029	†
56-60	3,610.86	28	2,451,836	19,281	34.32	81.6%	23,723	81.3%	27.75	100.9%	19,300	99.9%
61-65	16,617.22	174	11,501,074	105,168	234.12	74.3	161,257	65.2	189.06	92.0	130,172	80.8
66-70	33,624.71	529	19,790,735	303,381	675.30	78.3	394,930	76.8	545.27	97.0	318,874	95.1
71-75	22,414.11	611	11,189,703	309,951	728.79	83.8	728,098	85.6	588.51	103.8	292,422	106.0
76-80	11,994.52	611	5,069,642	262,618	609.06	100.8	256,630	102.3	503.57	121.3	211,997	123.9
81-85	4,116.92	351	1,681,250	141,753	327.74	107.1	133,615	106.1	284.79	123.2	116,146	122.0
86-90	866.73	130	373,700	49,714	104.90	123.9	45,235	109.9	96.33	135.0	41,514	119.8
91-95	172.64	48	83,560	19,883	29.44	163.0	14,286	139.2	28.50	168.4	13,878	143.3
96 and over	23.50	5	14,269	2,668	6.36	†	3,451	†	6.36	†	3,451	77.3
All ages	93,926.09	2,490	\$ 52,401,674	\$ 1,216,726	2,752.81	90.5%	\$ 1,396,582	87.1%	2,272.32	109.6%	\$ 1,148,847	105.9%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 1 (1969)

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE FOR 1969
RETIREMENT ON OR AFTER NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH G2-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH G2-1951 TABLE (WITH PROJECTION C TO 1969)*			
					By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
	Exposed	Actual Deaths	Exposed	Actual Deaths	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	86.42	0	\$ 87,030	\$ 0	0.36	†	\$ 132	†	0.26	†	\$ 340	†
51-55	455.86	14	616,835	17,418	4.39	†	5,832	†	3.49	†	4,652	†
56-60	2,570.92	62	3,582,736	88,728	35.72	173.6%	50,507	175.7%	28.46	217.8%	40,262	220.4%
61-65	30,322.39	728	43,329,020	884,318	703.47	103.5	1,000,289	88.4	560.81	129.8	797,639	110.9
66-70	114,772.14	3,915	144,477,958	4,734,043	3,772.45	103.8	1,720,591	100.3	3,007.96	130.2	3,764,144	125.8
71-75	94,905.00	4,980	102,179,346	5,058,689	4,927.17	101.1	5,269,447	96.0	4,036.05	123.4	4,313,211	117.3
76-80	57,936.57	4,612	51,818,046	3,957,880	4,703.25	98.1	4,162,693	95.1	4,066.31	113.4	3,594,051	110.1
81-85	23,691.55	2,777	17,568,083	2,029,067	2,926.14	94.0	2,162,183	93.8	2,681.05	103.6	1,979,884	102.5
86-90	5,974.52	989	4,252,827	792,335	1,020.92	96.9	726,369	109.1	989.93	99.9	704,535	112.5
91-95	953.68	218	753,074	142,857	217.92	100.0	172,121	82.9	217.92	100.0	172,324	82.9
96 and over	120.42	21	123,489	18,065	39.45	†	41,743	†	39.45	†	41,743	†
All ages	331,789.47	18,316	\$368,788,444	\$17,723,400	18,351.24	99.8%	\$18,312,780	96.8%	15,631.69	117.2%	\$15,412,785	115.0%
Females												
50 and under	49.35	2	\$ 44,686	\$ 1,382	0.08	†	\$ 116	†	0.07	†	\$ 89	†
51-55	379.20	2	166,461	976	2.34	†	981	†	1.78	†	779	†
56-60	3,627.09	40	2,370,023	18,116	34.20	117.0%	23,004	78.8%	27.28	146.6%	18,337	98.8%
61-65	17,494.34	192	12,715,036	164,204	246.69	77.8	178,380	92.1	196.88	97.5	142,237	115.4
66-70	36,436.73	583	22,477,519	359,500	732.65	79.6	448,801	80.1	584.16	99.8	357,867	100.5
71-75	24,810.02	647	12,806,925	331,435	808.44	80.0	115,092	80.6	644.61	100.4	330,994	101.0
76-80	13,861.46	666	6,089,238	294,804	707.88	94.1	310,631	95.1	578.84	115.1	253,422	116.3
81-85	4,923.16	390	2,012,858	150,366	392.47	99.4	161,165	93.3	338.45	115.2	139,087	108.1
86-90	1,102.53	152	480,983	61,367	133.11	114.2	58,522	104.9	121.49	125.1	53,484	114.7
91-95	177.00	37	88,856	21,116	30.34	122.0	15,209	138.8	29.41	125.8	14,748	143.2
96 and over	30.92	6	19,755	5,193	8.23	†	4,511	†	8.23	†	4,811	†
All ages	102,891.80	2,717	\$ 59,272,340	\$ 1,411,459	3,096.43	87.7%	\$ 1,616,312	87.3%	2,513.20	107.3%	\$ 1,315,855	107.3%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 1 (1970)

INTERCOMPANY GROUP ANNUITY MORTALITY—MATURED LIFE EXPERIENCE FOR 1970
RETIREMENT ON OR AFTER NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GA-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH GA-1951 TABLE (WITH PROJECTION C TO 1970)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	76.37	0	\$ 58,913	\$ 0	0.33	†	\$ 259	†	0.19	†	\$ 204	†
51-55	591.47	23	562,607	11,303	5.75	†	5,398	†	4.56	†	4,249	†
56-60	3,185.84	70	3,719,528	67,790	43.76	160.0%	52,113	130.1%	34.46	203.1%	41,032	165.2%
61-65	34,446.78	845	45,267,816	917,875	794.74	106.3	1,041,519	88.1	625.66	135.1	820,108	111.9
66-70	116,104.75	3,880	150,860,879	4,473,315	3,823.00	101.5	4,936,123	90.6	3,010.32	128.9	3,886,798	115.1
71-75	92,651.88	4,863	103,145,583	4,950,452	4,825.88	100.8	5,346,695	92.6	3,910.69	124.4	4,330,545	114.3
76-80	60,050.95	4,773	56,750,391	4,216,282	4,870.28	98.0	4,570,795	92.2	4,176.16	114.3	3,915,509	107.7
81-85	25,993.53	2,921	20,007,287	2,139,407	3,208.03	91.0	2,457,347	87.1	2,924.68	99.9	2,238,456	95.6
86-90	6,937.08	1,132	4,834,096	746,008	1,187.54	95.3	820,291	90.3	1,149.97	98.4	799,945	93.3
91-95	1,075.00	211	856,753	143,558	246.15	85.7	190,479	73.1	246.15	85.7	196,479	73.1
96 and over	146.35	24	152,994	18,563	48.80	49.2	52,751	35.2	48.80	49.2	52,751	35.2
All ages	341,260.00	18,742	\$386,216,847	\$17,684,553	19,054.26	98.4%	\$19,485,770	90.8%	16,131.64	116.2%	\$16,286,076	108.6%
Females												
50 and under	42.33	1	\$ 31,594	\$ 1,605	0.08	†	\$ 77	†	0.07	†	\$ 59	†
51-55	458.53	5	166,180	2,290	2.79	†	958	†	2.17	†	749	†
56-60	3,535.82	28	2,266,804	17,631	33.54	83.5%	22,199	79.4%	26.40	106.1%	17,473	100.9%
61-65	18,339.57	197	13,474,730	131,858	259.79	75.8	189,635	69.5	204.51	96.3	149,309	88.3
66-70	38,913.65	582	25,010,464	369,267	783.50	74.3	499,920	73.9	616.98	94.3	393,632	93.8
71-75	25,901.24	653	14,184,819	353,786	842.89	77.5	457,709	77.3	663.65	98.4	360,411	98.2
76-80	14,854.88	644	6,843,703	297,431	758.65	84.9	347,023	85.7	613.52	105.0	280,393	106.1
81-85	5,714.10	474	2,386,068	182,991	454.41	104.3	189,523	96.6	388.54	122.0	162,047	112.9
86-90	1,383.37	174	617,369	80,991	167.62	103.8	75,071	107.9	152.27	114.3	68,278	118.6
91-95	192.99	33	98,546	14,743	33.46	98.6	17,038	86.5	32.43	101.8	16,541	89.1
96 and over	30.34	2	16,782	1,971	8.65	†	4,619	†	8.65	†	4,619	†
All ages	109,366.82	2,793	\$ 65,097,059	\$ 1,454,564	3,345.38	83.5%	\$ 1,803,772	80.6%	2,709.19	103.1%	\$ 1,453,511	100.1%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 1 (1971)

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE FOR 1971
RETIREMENT ON OR AFTER NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH G-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH G-1951 TABLE (WITH PROJECTION C TO 1971)*			
					By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
	Exposed	Actual Deaths	Exposed	Actual Deaths	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	93 53	3	\$ 92,860	\$ 1,533	0.34	†	\$ 379	†	0.24	†	\$ 291	†
51-55	466 38	8	511,290	9,093	4.49	†	4,862	†	3.50	†	3,782	†
56-60	3,611 23	85	4,273,925	110,199	49.67	171 1%	59,886	184 0%	38.63	220 0%	46,561	236 7%
61-65	33,806 66	791	47,852,780	1,134,056	779.10	101.5	1,699,354	103.2	605.87	130.6	854,850	132.7
66-70	120,227 85	4,022	159,480,018	4,991,020	3,944.73	102.0	5,224,395	95.6	3,067.23	131.1	4,061,571	122.9
71-75	93,795 47	4,955	108,499,337	5,512,581	4,878.42	101.6	5,645,217	98.2	3,909.38	126.7	4,497,238	122.6
76-80	63,066 93	5,269	62,427,432	4,928,464	5,129.09	102.7	5,047,287	97.6	4,364.31	120.7	4,291,002	114.9
81-85	28,166 41	3,113	22,771,481	2,402,820	3,482.84	89.4	2,801,166	85.8	3,160.89	98.5	2,539,748	94.6
86-90	8,022 23	1,315	5,754,668	933,660	1,375.32	95.6	85,406	94.7	1,330.00	98.9	952,724	98.0
91-95	1,328 05	338	1,036,672	256,582	304.18	111.1	238,941	107.4	304.18	111.1	238,941	107.4
96 and over	178 34	29	180,628	30,605	58.65	49.4	62,436	49.0	58.65	49.4	62,434	49.0
All ages	352,763 08	19,928	\$412,881,051	\$20,310,613	20,006.83	99.6%	\$21,338,321	96.1%	16,842.88	118.3%	\$17,549,142	115.7%
Females												
50 and under	50 04	0	\$ 47,531	\$ 0	0.08	†	\$ 114	†	0.08	†	\$ 87	†
51-55	466 23	2	210,409	1,652	2.82	†	1,206	†	2.15	†	938	†
56-60	3,574 90	26	2,280,747	20,280	33.70	77 2%	22,301	90 9%	26.22	99 2%	17,341	116 9%
61-65	18,521 74	177	14,183,917	143,154	262.30	67.5	199,173	71.9	204.03	86.8	154,878	92.4
66-70	41,802 04	595	27,955,637	379,543	830.28	70.9	558,401	68.0	652.65	91.2	434,191	87.4
71-75	28,542 94	746	16,228,619	449,558	927.17	80.5	523,740	85.8	720.85	103.5	407,239	110.4
76-80	16,284 46	747	7,880,983	341,782	832.82	89.7	400,217	85.4	666.09	112.1	319,813	106.9
81-85	6,815 79	510	2,948,982	220,907	542.23	94.1	234,495	94.2	459.92	110.9	198,886	111.1
86-90	1,699 37	213	758,327	93,576	206.32	103.2	89,908	104.1	186.67	114.1	81,369	115.0
91-95	251 95	51	147,329	30,475	42.97	118.7	25,136	121.3	41.46	123.0	24,284	125.5
96 and over	49 00	10	19,865	3,898	12.03	83.1	5,099	76.4	12.03	83.1	5,099	76.4
All ages	118,058 46	3,077	\$ 72,642,346	\$ 1,684,825	3,701.72	83.1%	\$ 2,059,786	81.8%	2,972.15	103.5%	\$ 1,644,125	102.5%

* Set back five years for females

† Less than ten deaths (actual or expected).

TABLE 2 (1968)

INTERCOMPANY GROUP ANNUITY MORTALITY MATURED LIFE EXPERIENCE FOR 1968
RETIREMENT PRIOR TO NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH Ga-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH Ga-1951 TABLE (WITH PROJECTION C TO 1968)*				
					By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income		
	Exposed	Actual Deaths	Exposed	Actual Deaths	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	
Males													
50 and under	1,130	30	22	\$ 330,232	\$ 7,826	4.68	†	\$ 1,501	†	3.74	†	\$ 1,213	†
51-55	2,607	83	57	2,150,406	29,549	25.29	225.4%	20,676	142.9%	20.47	278.5%	16,689	177.1%
56-60	18,460	31	492	16,484,710	409,776	256.10	192.1	230,735	177.6	206.72	238.0	186,272	220.0
61-65	57,090	30	1,776	64,159,815	1,622,741	1,190.05	149.2	1,337,035	121.4	960.86	184.8	1,079,560	150.3
66-70	44,716	50	1,864	44,882,597	1,689,833	1,441.75	129.3	1,443,042	117.1	1,164.37	160.1	1,165,394	145.0
71-75	19,053	80	1,212	16,626,213	956,988	965.03	125.6	834,516	114.7	797.39	152.0	688,823	138.9
76-80	6,832	74	570	5,038,315	355,783	549.92	103.7	402,418	88.4	478.70	119.1	350,023	101.6
81-85	2,444	16	316	1,434,319	176,354	300.58	105.1	175,952	100.2	276.58	114.3	161,822	109.0
86-90	452	00	88	286,104	57,949	76.96	114.3	48,302	120.0	74.65	117.9	46,814	123.8
91-95	70	00	20	45,243	13,554	16.07	124.5	10,570	128.2	16.07	124.5	10,570	128.2
96 and over	19	42	2	22,334	2,214	7.19	†	7,881	†	7.19	†	8,272	†
All ages	152,877	36	6,419	\$151,460,288	\$ 5,322,567	4,833.62	132.8%	\$ 4,512,625	117.9%	4,006.74	160.2%	\$ 3,715,452	143.3%
Females													
50 and under	230	59	5	\$ 80,427	\$ 1,990	0.59	†	234	†	0.47	†	187	†
51-55	1,549	59	10	659,153	5,900	8.74	†	3,766	†	7.03	†	3,039	†
56-60	6,415	63	70	2,977,657	40,799	58.47	119.7%	27,213	149.9%	47.26	148.1%	21,970	185.7%
61-65	15,713	18	181	8,064,117	77,466	213.76	84.7	109,661	70.6	172.58	104.9	88,522	87.5
66-70	11,544	64	255	5,083,265	111,891	228.65	111.5	99,925	112.0	184.62	138.1	80,674	138.7
71-75	4,792	50	172	1,835,456	58,463	152.64	112.7	58,371	100.2	123.30	139.5	47,142	124.0
76-80	1,559	00	80	555,474	31,542	79.13	101.1	28,136	112.1	65.39	122.3	23,248	135.7
81-85	521	25	46	193,110	15,572	41.17	111.7	19,137	101.1	35.72	128.8	13,388	116.3
86-90	98	00	17	43,936	9,908	11.73	144.9	5,260	188.4	10.75	158.1	4,818	205.6
91-95	21	00	5	14,531	2,178	3.54	†	2,452	†	3.42	†	2,375	†
96 and over	2	00	0	522	0	0.46	†	113	†	0.46	†	113	†
All ages	42,447	38	841	\$ 19,507,648	\$ 355,709	798.88	105.3%	\$ 350,528	101.5%	651.00	129.1%	\$ 285,476	124.6%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 2 (1969)
 INTERCOMPANY GROUP ANNUITY MORTALITY - MAJORED LIFE EXPERIENCE FOR 1969
 RETIREMENT PRIOR TO NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GA-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH GA-1951 TABLE (WITH PROJECTION C TO 1969)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Male												
50 and under	1,100 00	11	\$ 307,938	\$ 5,268	4 78	†	\$ 1,446	†	3 79	†	\$ 1,155	†
51-55	2,751 71	60	2,249,796	33,228	26 66	225 1%	21,711	153 0%	21 24	282 5%	17,323	191 8%
56-60	19,222 69	470	17,711,289	389,185	266 28	176 5	248,152	156 8	212 32	221 4	197,886	196 7
61-65	60,665 30	1,804	71,410,618	1,794,823	1,265 14	142 6	1,491,240	120 4	1,008 81	178 8	1,189,095	150 9
66-70	50,002 54	2,065	51,676,555	1,819,265	1,613 13	128 0	1,661,292	109 5	1,286 23	160 5	1,324,694	137 3
71-75	21,796 93	1,287	20,005,572	1,143,284	1,105 21	116 4	1,066,437	113 6	903 06	142 5	821,661	139 1
76-80	7,716 63	694	6,040,307	438,424	638 43	107 4	483,098	90 8	533 77	124 4	416,861	105 2
81-85	2,750 25	322	1,690,357	193,547	338 40	95 2	207,394	93 4	309 95	103 9	189,705	102 0
86-90	859 00	105	343,220	71,266	95 27	110 2	88,394	122 0	92 27	113 8	56,586	125 9
91-95	67 17	16	47,891	5,335	15 60	102 6	11,148	47 9	15 60	102 6	11,148	47 9
96 and over	20 00	3	21,186	3,528	7 64	†	8,332	†	7 64	†	8,322	†
All ages	166,652 22	6,807	\$171,504,729	\$ 5,897,152	5,356 54	127 1%	\$ 148,213	113 4%	1,394 68	154 9%	\$ 4,234,436	139 3%
Female												
50 and under	240 54	1	\$ 91,592	\$ 2,054	0 62	†	\$ 263	†	0 42	†	\$ 210	†
51-55	1,635 50	17	702,754	6,604	9 20	†	3,098	†	7 32	†	3,191	†
56-60	6,962 93	66	3,523,710	35,268	63 42	104 1%	32,262	109 3%	50 60	130 4%	25,723	137 1%
61-65	17,690 81	275	9,838,001	131,935	240 17	114 5	183,385	98 9	191 46	143 6	106,320	124 1
66-70	13,392 83	257	6,320,306	120,211	264 91	97 0	124,102	96 9	211 29	121 6	98,962	121 5
71-75	5,779 61	191	2,328,669	86,411	184 12	103 7	73,945	116 9	146 83	130 1	58,964	146 5
76-80	1,889 84	69	681,977	35,848	95 75	103 4	34,369	104 3	78 27	126 5	28,063	127 7
81-85	605 09	64	224,583	23,282	47 99	133 4	17,808	130 1	41 33	154 9	15,440	150 8
86-90	125 00	18	54,492	4,677	14 98	120 2	6,490	72 1	13 67	131 7	5,909	79 2
91-95	23 00	2	15,637	878	3 95	†	2,330	†	3 84	†	2,656	†
96 and over	5 75	1	1,935	462	1 55	†	712	†	1 55	†	512	†
All ages	48,350 90	991	\$ 23,783,656	\$ 447,630	926 66	106 9%	\$ 429,914	104 1%	746 58	132 7%	\$ 345,950	129 4%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 2 (1970)

INTERCOMPANY GROUP ANNUITY MORTALITY--MATURED LIFE EXPERIENCE FOR 1970
RETIREMENT PRIOR TO NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GA-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH GA-1951 TABLE (WITH PROJECTION C TO 1970)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	1,164.91	13	\$ 362,786	\$ 5,301	5.35	†	\$ 1,763	†	4.20	†	\$ 1,385	†
51-55	3,185.85	77	2,480,195	47,203	30.97	248.6%	24,059	196.2%	24.39	315.7%	18,943	249.2%
56-60	21,313.13	476	19,467,442	354,050	295.19	161.3	272,565	129.9	232.45	204.8	214,627	165.0
61-65	65,200.50	1,794	79,225,025	1,713,497	1,357.91	132.1	1,656,633	103.4	1,069.15	167.8	1,304,456	131.4
66-70	54,705.04	2,176	58,493,906	2,146,939	1,768.18	123.1	1,878,526	114.3	1,392.36	156.3	1,479,187	145.1
71-75	24,398.85	1,417	23,374,211	1,272,409	1,236.09	114.6	1,176,394	108.2	998.74	141.9	949,695	134.0
76-80	8,777.16	709	7,065,823	531,364	700.79	101.2	562,568	94.5	599.64	118.2	481,189	110.4
81-85	2,947.67	333	1,978,363	218,766	363.69	91.6	241,621	90.5	331.56	100.4	219,889	99.5
86-90	699.67	99	426,596	69,603	118.88	83.3	72,420	96.1	114.91	86.2	70,017	99.4
91-95	77.17	15	56,287	10,546	17.80	84.3	13,266	79.5	17.80	84.3	13,266	79.5
96 and over	24.49	4	24,364	2,175	9.53	†	9,943	†	9.53	†	9,943	†
All ages	182,494.44	7,113	\$192,954,998	\$ 6,371,853	5,904.38	120.5%	\$ 5,909,758	107.8%	4,791.73	148.4%	\$ 4,762,597	133.8%
Females												
50 and under	250.08	4	\$ 94,857	\$ 149	0.67	†	\$ 282	†	0.50	†	\$ 219	†
51-55	1,692.56	10	769,220	3,571	9.57	†	4,393	†	7.54	†	3,450	†
56-60	7,410.02	68	3,913,600	33,718	67.49	100.8%	35,876	94.0%	53.10	128.1%	28,254	119.3%
61-65	19,422.15	255	11,411,752	132,159	263.91	96.6	155,071	85.2	207.86	122.7	122,102	108.2
66-70	15,091.37	251	7,429,072	112,315	299.49	83.8	146,179	76.8	235.89	106.4	115,098	97.6
71-75	6,666.99	219	2,804,788	85,821	213.19	102.7	89,043	96.4	167.90	130.4	70,118	122.4
76-80	2,170.33	92	815,192	29,013	109.23	84.2	40,923	70.9	88.14	104.4	33,025	87.9
81-85	721.50	55	260,286	22,506	57.44	95.8	20,885	107.8	49.06	112.1	17,884	125.8
86-90	151.00	18	66,020	8,374	18.43	97.7	8,095	103.4	16.74	107.5	7,370	113.6
91-95	23.00	4	14,790	2,278	4.07	†	2,671	†	3.94	†	2,615	†
96 and over	10.50	1	4,163	60	3.40	†	1,257	†	3.40	†	1,257	†
All ages	53,609.50	977	\$ 27,583,740	\$ 429,964	1,046.89	93.3%	\$ 504,675	85.2%	834.07	117.1%	\$ 401,392	107.1%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 2 (1971)

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE FOR 1971
RETIREMENT PRIOR TO NORMAL RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH G-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH G-a-1951 TABLE (WITH PROJECTION C TO 1971)*			
					By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
	Exposed	Actual Deaths	Exposed	Actual Deaths	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under.....	1,194.45	28	\$ 404,462	\$ 12,226	5.65	†	\$ 1,982	†	4.44	†	\$ 1,542	†
51-55.....	3,401.67	73	2,685,124	60,365	32.63	223.77†	26,046	241.87†	25.39	287.50†	20,254	298.00†
56-60.....	23,294.94	524	21,512,677	386,346	321.06	163.2	300,181	128.7	249.71	209.8	233,415	165.5
61-65.....	71,009.09	1,934	88,939,788	2,096,633	1,479.19	130.7	1,860,190	112.7	1,150.19	168.1	1,446,450	145.0
66-70.....	59,368.88	2,367	66,794,445	2,312,441	1,922.19	123.1	2,143,388	107.9	1,494.64	158.4	1,666,646	138.7
71-75.....	27,593.79	1,590	27,163,033	1,359,636	1,397.31	113.8	1,369,776	99.3	1,116.16	142.5	1,093,658	124.3
76-80.....	10,009.12	866	8,326,900	709,671	797.24	108.6	660,044	107.5	676.34	128.0	559,536	126.8
81-85.....	3,302.06	364	2,352,646	270,314	407.06	89.4	286,986	94.2	369.21	98.6	259,832	104.0
86-90.....	845.39	129	516,493	82,932	143.54	89.9	87,546	94.7	138.48	93.2	84,451	98.2
91-95.....	109.50	25	70,371	19,712	24.59	101.7	15,969	123.4	24.59	101.7	15,969	123.4
96 and over.....	27.92	1	23,144	198	9.85	†	1,869	†	98.5	†	7,869	†
All ages.....	200,156.81	7,901	\$218,789,083	\$ 7,310,171	6,540.31	120.87†	\$ 6,759,577	108.17†	5,259.00	150.20†	\$ 5,389,622	135.60†
Females												
50 and under.....	256.26	0	\$ 110,328	\$ 0	0.68	†	\$ 320	†	0.52	†	\$ 243	†
51-55.....	1,799.79	14	857,477	4,510	10.21	137.17†	4,879	92.47†	7.93	176.50†	3,792	118.90†
56-60.....	7,872.89	86	4,338,990	44,103	71.33	120.6	39,560	111.5	55.49	155.0	30,760	143.4
61-65.....	21,643.06	279	13,234,798	141,883	294.31	94.8	180,116	78.8	228.84	121.9	140,055	101.3
66-70.....	16,956.02	312	8,837,374	151,155	336.78	92.6	173,953	86.9	261.86	119.1	135,257	111.8
71-75.....	7,777.80	241	3,359,974	105,378	248.94	96.8	106,840	98.6	193.54	124.5	83,071	126.9
76-80.....	2,593.40	146	1,008,315	57,727	129.78	112.5	50,179	115.0	103.51	141.0	40,004	144.3
81-85.....	858.87	64	310,196	21,808	68.28	93.7	24,590	88.7	57.91	110.5	20,849	104.6
86-90.....	200.66	21	88,274	7,494	24.38	86.1	10,729	69.8	22.09	95.1	9,709	77.2
91-95.....	25.00	3	13,256	1,599	4.32	†	2,358	†	4.18	†	2,299	†
96 and over.....	12.00	0	6,745	0	3.16	†	1,653	†	3.16	†	1,653	†
All ages.....	59,995.75	1,166	\$ 32,165,727	\$ 535,657	1,192.17	97.87†	\$ 595,177	90.00†	939.03	124.20†	\$ 467,692	114.50†

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 3 (1968)

INTERCOMPANY GROUP ANNUITY MORTALITY—MATURED LIFE EXPERIENCE FOR 1968
RETIREMENT UNDER A PLAN HAVING NO STATED RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GQ-1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH GQ-1951 TABLE (WITH PROJECTION C TO 1968)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under.....	73 02	3	\$ 100,908	\$ 2,864	0 33	†	\$ 532	†	0 20	†	\$ 431	†
51-55.....	455 71	14	670,379	15,201	4 44	†	6,366	†	3 59	†	5,137	†
56-60.....	2,635 04	85	3,061,515	100,207	36 56	232 5%	42,991	233 1%	29 54	287 7%	34,709	288 7%
61-65.....	13,985 86	453	18,629,694	500,178	305 02	148 5	406,246	123 1	246 26	184 0	328,029	152 5
66-70.....	31,371 29	1,159	35,543,360	1,099,502	1,036 95	111 8	1,164,010	94 5	837 38	138 4	940,039	117 0
71-75.....	27,978 69	1,666	24,051,211	1,325,291	1,447 59	115 1	1,232,620	107 5	1,198 47	139 0	1,019,553	130 0
76-80.....	15,521 07	1,337	10,745,490	883,246	1,252 62	106 7	858,896	102 8	1,090 90	122 6	747,106	118 2
81-85.....	5,378 99	632	3,240,790	372,498	660 22	95 7	396,152	94 0	607 37	104 1	364,140	102 3
86-90.....	1,283 70	230	747,291	128,411	219 09	105 0	127,645	100 6	212 70	108 1	123,969	103 6
91-95.....	157 02	43	92,849	22,950	35 78	120 2	21,235	108 1	35 78	120 2	21,235	108 1
96 and over.....	19 00	6	8,313	1,963	6 48	†	2,740	†	6 48	†	2,740	†
All ages.....	98,859 39	5,628	\$ 96,891,800	\$ 4,452,311	5,005 08	112 4%	\$ 4,259,433	104 5%	4,268 67	131 8%	\$ 3,587,088	124 1%
Females												
50 and under.....	50 16	0	\$ 40,783	\$ 0	0 05	†	\$ 101	†	0 05	†	\$ 82	†
51-55.....	220 93	4	151,635	1,417	1 24	†	867	†	0 98	†	702	†
56-60.....	1,159 19	16	795,269	6,567	10 55	151 7%	7,311	89 8%	8 56	†	5,899	†
61-65.....	4,092 49	56	3,183,275	40,814	56 92	98 4	44,346	92 0	45 89	122 0%	35,802	114 0%
66-70.....	7,911 97	161	5,568,038	112,249	159 24	101 1	111,235	100 9	128 53	125 3	89,817	125 0
71-75.....	5,268 00	148	3,176,686	76,696	170 31	86 9	101,472	75 6	137 57	107 6	82,478	93 0
76-80.....	2,134 62	94	1,158,488	47,372	107 34	87 6	57,873	81 9	88 73	105 9	47,753	99 2
81-85.....	614 93	53	339,783	32,930	48 73	108 8	26,795	122 9	42 25	125 4	23,272	141 5
86-90.....	147 17	18	75,152	12,499	17 50	102 9	8,876	140 8	16 07	112 0	8,122	153 9
91-95.....	24 08	8	17,770	8,963	4 14	†	3,047	†	3 98	†	2,962	†
96 and over.....	3 00	0	629	0	0 92	†	197	†	0 92	†	197	†
All ages.....	21,626 54	558	\$ 14,507,508	\$ 339,507	576 94	96 7%	\$ 362,120	93 8%	473 53	117 8%	\$ 297,086	114 3%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 3 (1969)

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE FOR 1969
RETIREMENT UNDER A PLAN HAVING NO STATED RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH Ga-1951 TABLE (WITHOUT PROJECTIONS) ¹				COMPARISON WITH Ga-1951 TABLE (WITH PROJECTION C TO 1969)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	79.08	1	\$ 110,605	\$ 462	0.36	†	\$ 547	†	0.22	†	\$ 435	†
51-55	525.79	7	785,871	4,487	5.03	†	7,478	†	4.04	†	5,958	†
56-60	3,118.13	101	3,605,007	84,006	42.81	235.9%	50,005	168.0%	34.09	296.3%	39,876	210.7%
61-65	15,008.17	420	20,967,454	603,104	326.57	128.6	456,089	132.2	260.39	161.3	363,667	165.8
66-70	32,872.32	1,280	38,948,889	1,441,548	1,081.99	118.3	1,270,763	113.4	862.78	148.4	1,013,291	142.3
71-75	28,649.72	1,720	26,430,007	1,502,474	1,488.06	115.6	1,359,343	110.5	1,218.95	141.1	1,112,459	135.1
76-80	16,971.92	1,388	12,421,739	996,204	1,374.62	101.0	998,579	99.8	1,188.12	116.8	862,170	115.5
81-85	6,262.85	751	3,950,518	448,091	769.94	97.5	484,282	92.5	704.86	106.5	443,110	101.1
86-90	1,529.07	264	958,043	148,723	261.78	100.8	164,646	90.3	253.85	104.0	159,841	93.0
91-95	191.68	41	107,294	21,723	43.41	94.4	24,338	89.3	43.41	94.4	24,338	89.3
96 and over	25.00	6	16,999	5,498	8.34	†	5,343	†	8.34	†	5,343	†
All ages	105,233.73	5,979	\$108,302,426	\$ 5,256,320	5,402.91	110.7%	\$ 4,821,395	109.0%	4,579.05	130.6%	\$ 4,030,388	130.4%
Females												
50 and under	73.52	0	\$ 64,580	\$ 0	0.07	†	\$ 160	†	0.04	†	\$ 126	†
51-55	272.14	14	198,966	6,828	1.53	†	1,167	†	1.22	†	781	†
56-60	1,396.66	14	991,419	6,412	12.68	110.4%	9,110	70.4%	10.13	138.2%	7,268	88.2%
61-65	5,053.20	59	4,011,325	43,009	70.38	83.8	55,917	76.9	56.12	105.1	44,583	96.5
66-70	8,738.09	159	6,409,597	113,324	176.90	89.9	128,870	87.9	141.04	112.7	102,759	110.3
71-75	6,011.91	159	3,791,726	97,524	195.15	81.5	122,151	79.6	155.63	102.2	97,639	99.9
76-80	2,711.17	135	1,581,780	73,296	136.49	98.9	79,454	92.2	111.41	112.2	64,862	113.0
81-85	806.97	63	462,117	35,441	63.91	98.6	36,693	96.6	55.10	114.3	31,636	112.0
86-90	186.76	18	95,265	8,472	22.71	79.3	11,577	73.2	20.74	86.8	10,576	80.1
91-95	22.41	8	8,684	4,232	3.75	†	1,393	†	3.61	†	1,335	†
96 and over	10.00	1	7,267	3,618	4.20	†	2,043	†	4.20	†	2,043	†
All ages	25,282.83	630	\$ 17,622,826	\$ 892,156	687.77	91.6%	\$ 448,775	87.1%	559.24	112.7%	\$ 363,708	107.8%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 3 (1970)

INTERCOMPANY GROUP ANNUITY MORTALITY—MATURED LIFE EXPERIENCE FOR 1970
RETIREMENT UNDER A PLAN HAVING NO STATED RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH G _a -1951 TABLE (WITHOUT PROJECTION)*				COMPARISON WITH G _a -1951 TABLE (WITH PROJECTION C TO 1970)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	83.48	3	\$ 108,089	\$ 1,354	0.35	†	\$ 517	†	0.24	†	\$ 406	†
51-55	487.25	21	718,270	21,264	4.58	†	6,737	†	3.59	†	5,303	†
56-60	3,326.80	84	3,876,337	71,633	45.70	183.8%	53,728	133.3%	35.98	233.5%	42,306	169.3%
61-65	15,172.38	435	18,999,521	517,428	329.23	132.1	412,305	125.5	259.27	167.8	324,655	159.4
66-70	34,055.03	1,194	41,370,482	1,345,268	1,122.41	106.4	1,350,977	99.6	883.73	135.1	1,063,784	126.5
71-75	28,430.55	1,514	27,491,734	1,308,378	1,482.47	102.1	1,418,241	92.3	1,201.52	126.0	1,148,082	114.0
76-80	18,507.27	1,486	14,247,314	1,094,846	1,503.13	98.9	1,149,124	95.3	1,289.23	115.3	984,602	111.2
81-85	7,313.52	864	4,719,937	537,947	901.28	95.9	581,297	92.5	821.46	105.2	529,742	101.5
86-90	1,747.78	287	1,063,635	192,036	300.29	95.6	182,813	105.0	291.01	98.6	177,166	108.4
91-95	242.59	62	160,543	37,859	55.08	112.6	36,214	104.5	55.08	112.6	36,214	104.5
96 and over	28.91	8	17,823	4,475	9.20	†	5,662	†	9.20	†	5,662	†
All ages	109,395.56	5,958	\$112,773,685	\$ 5,132,488	5,753.72	103.6%	\$ 5,197,615	98.7%	4,850.31	122.8%	\$ 4,317,922	118.9%
Females												
50 and under	77.06	1	\$ 66,652	\$ 52	0.14	†	\$ 162	†	0.08	†	\$ 131	†
51-55	271.21	3	209,613	1,644	1.52	†	1,151	†	1.17	†	905	†
56-60	1,426.65	15	996,592	7,068	13.05	114.9%	9,177	77.0%	10.27	146.1%	7,226	97.8%
61-65	5,283.26	68	4,345,996	52,261	73.71	92.3	60,614	86.2	57.98	117.3	47,720	109.5
66-70	9,656.39	148	7,328,139	108,964	195.04	75.6	147,536	73.9	154.07	96.1	116,171	93.8
71-75	6,946.56	172	4,606,682	99,947	225.07	76.4	147,966	67.5	177.23	97.0	116,503	85.8
76-80	3,299.94	142	1,975,284	79,972	166.98	85.0	99,550	80.3	134.90	105.3	80,376	99.5
81-85	1,007.69	68	585,535	40,436	79.99	85.0	46,400	87.1	68.30	99.6	39,659	102.0
86-90	245.70	27	141,588	19,578	29.89	90.3	17,092	114.5	27.26	99.0	15,522	126.1
91-95	28.67	5	13,629	4,091	4.82	†	2,218	†	4.67	†	2,123	†
96 and over	9.00	1	3,741	699	4.04	†	1,335	†	4.04	†	1,335	†
All ages	28,252.13	650	\$ 20,273,451	\$ 414,712	794.85	81.8%	\$ 533,201	77.8%	639.97	101.6%	\$ 427,671	97.0%

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 3 (1971)

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE FOR 1971
RETIREMENT UNDER A PLAN HAVING NO STATED RETIREMENT DATE

ATTAINED AGES	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH Ga-1951 TABLE (WITHOUT PROJECTIONS)*				COMPARISON WITH Ga-1951 TABLE (WITH PROJECTION C TO 1971)*			
					By Number of Lives		By Amount of Annual Income		By Number of Lives		By Amount of Annual Income	
	Exposed	Actual Deaths	Exposed	Actual Deaths	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males												
50 and under	111 63	2	\$ 156,937	\$ 1,885	0 47	†	\$ 1,381	†	0 30	†	\$ 566	†
51-55	586 26	12	817,485	15,478	5 61	†	1,701	†	4 37	†	5,989	†
56-60	3,672 39	88	4,560,983	100,857	50 69	173 9%	63,153	158 9%	39 37	223 5%	49,338	204 4%
61-65	15,841 04	526	21,523,717	667,560	344 23	152 8	168,108	142 5	267 70	196 5	364,224	183 3
66-70	36,623 84	1,399	45,049,996	1,610,619	1,207 52	115 9	1,478,404	108 9	938 89	149 0	1,149,567	140 1
71-75	30,234 05	1,740	30,778,978	1,649,310	1,573 35	110 6	1,587,323	103 9	1,260 97	138 0	1,270,762	129 8
76-80	20,334 44	1,753	16,244,120	1,312,290	1,654 65	105 9	1,312,787	100 0	1,408 02	124 5	1,116,041	117 6
81-85	8,635 06	1,045	5,742,144	656,791	1,064 02	98 2	706,137	93 0	965 05	108 3	640,138	102 6
86-90	2,146 96	322	1,335,756	220,797	367 82	87 5	229,216	96 3	355 64	90 5	221,730	99 6
91-95	293 25	60	178,351	36,045	66 62	90 1	40,407	88 8	66 62	90 1	40,607	88 8
96 and over	28 58	8	22,899	6,160	9 30	†	7,362	†	9 30	†	7,362	†
All ages	118,507 50	6,955	\$126,411,366	\$ 6,277,790	6,344 28	109 6%	\$ 3,902,030	106 1%	5,316 23	130 8%	\$ 4,866,324	129 0%
Females												
50 and under	88 20	1	\$ 80,994	\$ 437	0 15	†	\$ 193	†	0 07	†	\$ 152	†
51-55	320 39	1	266,775	1,457	1 73	†	1,188	†	1 41	†	1,157	†
56-60	1,747 13	17	1,274,543	18,138	15 93	106 7%	11,094	155 1%	12 42	136 9%	9,093	199 5%
61-65	6,487 10	90	5,628,132	87,686	90 17	99 8	78,236	112 1	70 09	128 4	60,838	144 1
66-70	10,742 52	207	8,449,342	127,734	217 37	95 2	169,807	75 2	169 08	122 4	132,038	96 7
71-75	8,072 10	241	5,543,270	149,782	261 93	92 0	178,695	83 8	203 67	118 3	138,950	107 8
76-80	4,022 89	167	2,421,571	105,077	203 89	81 9	122,763	85 6	162 89	102 5	98,072	107 1
81-85	1,312 28	102	751,907	48,224	103 75	98 3	59,602	80 9	87 87	116 1	50,518	95 5
86-90	317 74	39	180,691	18,328	38 72	100 7	21,984	83 4	35 09	111 1	19,891	92 1
91-95	43 33	11	17,621	3,149	7 34	†	2,952	†	7 08	†	2,843	†
96 and over	8 33	2	1,144	435	4 04	†	537	†	4 04	†	837	†
All ages	33,162 01	878	\$ 24,615,990	\$ 560,447	945 02	92 9%	\$ 648,243	86 5%	753 71	116 5%	\$ 514,389	109 0%

* Set back five years for females.

† Less than ten deaths (actual or expected).

300

TABLE 4

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE TO DECEMBER 31, 1971
RETIREMENT ON OR AFTER NORMAL RETIREMENT DATE

CALENDAR YEARS	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GA 1951 TABLE (WITHOUT PROJECTION)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
	Males							
1924-40	56,514.85	2,930	\$ 59,660,077	\$ 2,972,250	2,296.97	127.6%	\$ 2,493,468	119.2%
1941-45	115,246.16	5,951	87,895,127	4,821,971	4,795.74	124.1	3,897,710	123.7
1946-50	259,076.97	12,105	173,641,106	8,332,577	10,638.35	113.8	7,461,372	111.7
1951-55	522,300.08	24,397	360,832,466	16,346,567	21,920.73	111.3	15,167,612	107.8
1956-60	881,633.98	42,158	711,699,816	31,014,135	39,322.00	107.2	30,080,624	103.1
1961-65	1,251,689.81	65,399	1,195,349,701	54,178,289	61,377.12	106.6	53,867,795	100.6
1966	287,458.64	15,760	298,470,286	14,167,002	15,015.39	105.0	14,168,452	100.0
1967	300,158.58	16,733	318,624,715	15,272,242	16,044.18	104.3	15,419,993	99.0
1968	314,528.59	17,757	343,381,194	16,404,811	17,028.22	104.3	16,777,511	97.8
1969	331,789.47	18,316	368,788,444	17,723,400	18,351.24	99.8	18,312,580	96.8
1970	341,260.00	18,742	386,216,847	17,684,553	19,054.26	98.4	19,485,770	90.8
1971	352,763.08	19,928	412,881,051	20,310,613	20,006.83	99.6	21,138,325	96.1

* Set back five years for females.

TABLE 4 *Continued*

CALENDAR YEARS	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH Ga-1951 TABLE (WITHOUT PROJECTION)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Females								
1924-40.....	9,957.71	278	\$ 5,889,366	\$ 154,398	192.95	144.1%	\$ 111,665	138.3%
1941-45.....	17,752.58	497	8,995,659	242,094	368.47	134.9	190,417	127.1
1946-50.....	39,437.54	918	17,298,662	428,881	844.55	108.7	387,278	110.7
1951-55.....	88,361.81	2,001	36,447,098	866,384	1,994.33	100.3	844,843	102.5
1956-60.....	174,569.78	3,963	76,097,654	1,711,137	4,235.05	93.6	1,813,684	94.3
1961-65.....	300,113.49	7,566	148,166,066	3,413,699	8,048.61	94.0	3,737,779	91.3
1966.....	78,797.78	1,963	42,017,112	932,395	2,249.85	87.3	1,112,421	83.8
1967.....	84,968.40	2,239	46,597,269	1,105,974	2,470.41	90.6	1,231,971	89.8
1968.....	93,926.09	2,490	52,401,674	1,216,726	2,752.81	90.5	1,396,582	87.1
1969.....	102,891.80	2,717	59,272,340	1,411,459	3,096.43	87.7	1,616,112	87.3
1970.....	109,366.82	2,793	65,097,059	1,454,564	3,345.38	83.5	1,803,772	80.6
1971.....	118,058.46	3,077	72,642,346	1,684,825	3,701.72	83.1	2,059,786	81.8

* Set back five years for females.

TABLE 5
 INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE TO DECEMBER 31, 1971
 RETIREMENT PRIOR TO NORMAL RETIREMENT DATE

CALENDAR YEARS	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH <i>Ga</i> 1951 TABLE (WITHOUT PROJECTION)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males								
1924-40.....	16,870.01	740	\$ 14,940,148	\$ 606,943	405.82	182.3%	\$ 354,580	171.2%
1941-45.....	26,247.10	1,460	18,119,891	776,627	726.15	201.1	528,456	147.0
1946-50.....	65,183.50	3,461	37,702,586	1,796,531	1,769.33	195.6	1,126,692	159.5
1951-55.....	134,455.51	6,799	78,806,435	3,678,517	3,815.18	178.2	2,353,958	156.3
1956-60.....	252,588.78	12,103	174,037,413	7,259,070	7,505.54	161.3	5,076,797	143.0
1961-65.....	466,762.65	20,745	387,078,090	14,878,665	14,073.48	147.4	11,148,257	133.5
1966.....	128,887.25	5,454	117,958,407	4,210,232	3,951.08	138.0	3,418,282	123.2
1967.....	139,969.43	5,869	132,972,393	4,780,824	4,373.67	134.2	3,921,965	121.9
1968.....	152,877.36	6,419	151,460,288	5,322,567	4,833.62	132.8	4,512,625	117.9
1969.....	166,652.22	6,807	171,504,729	5,897,152	5,356.54	127.1	5,198,524	113.4
1970.....	182,494.44	7,113	192,954,998	6,371,853	5,904.38	120.5	5,909,758	107.8
1971.....	200,156.81	7,901	218,789,083	7,310,474	6,540.31	120.8	6,759,977	108.1

* Set back five years for females.

TABLE 5 *Continued*

CALENDAR YEARS	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GA-1951 TABLE (WITHOUT PROJECTION)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
	Females							
1924-40.....	1,990.50	44	\$ 843,272	\$ 20,273	21.73	202.5%	\$ 9,629	210.5%
1941-45.....	3,867.73	103	1,474,691	38,755	52.86	194.9	21,827	177.6
1946-50.....	10,207.26	231	3,403,604	80,824	147.68	156.4	55,146	146.6
1951-55.....	23,217.44	528	7,427,271	191,249	361.20	146.2	127,570	149.9
1956-60.....	51,225.38	1,154	17,513,254	394,897	854.11	135.1	302,885	130.4
1961-65.....	109,829.19	2,287	42,458,138	816,650	1,937.64	118.0	741,188	110.2
1966.....	33,099.95	687	14,027,736	261,038	609.45	112.7	248,874	104.9
1967.....	37,045.92	821	16,359,859	320,273	691.85	118.7	292,831	109.4
1968.....	42,447.38	841	19,507,648	355,709	798.88	105.3	350,528	101.5
1969.....	48,350.90	991	23,783,656	447,630	926.66	106.9	429,924	104.1
1970.....	53,609.50	977	27,583,740	429,964	1,046.89	93.3	504,675	85.2
1971.....	59,995.75	1,166	32,165,727	535,657	1,192.17	97.8	595,177	90.0

* Set back five years for females.

TABLE 6

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE TO DECEMBER 31, 1971
RETIREMENT UNDER A PLAN HAVING NO STATED NORMAL RETIREMENT DATE

CALENDAR YEARS	NUMBER OF LIVES		AMOUNT OF ANNUAL INCOME		COMPARISON WITH GA-1951 TABLE (WITHOUT PROJECTION)*			
	Exposed	Actual Deaths	Exposed	Actual Deaths	By Number of Lives		By Amount of Annual Income	
					Expected Deaths	Ratio Act./Exp.	Expected Deaths	Ratio Act./Exp.
Males								
1956-60.....	129,023.63	6,284	\$ 80,815,026	\$ 3,586,820	5,561.01	113.0%	\$ 3,281,239	109.3%
1961-65.....	307,544.35	16,230	246,349,156	11,259,197	14,050.52	115.5	10,114,799	111.3
1966.....	83,948.17	4,606	74,486,515	3,387,890	4,175.53	110.3	3,245,237	104.4
1967.....	92,310.41	5,268	86,271,756	4,170,544	4,667.94	112.9	3,803,559	109.6
1968.....	98,859.39	5,628	96,891,800	4,452,311	5,005.08	112.4	4,259,433	104.5
1969.....	105,233.73	5,979	108,302,426	5,256,320	5,402.91	110.7	4,821,395	109.0
1970.....	109,395.56	5,958	112,773,685	5,132,488	5,753.72	103.6	5,197,615	98.7
1971.....	118,507.50	6,955	126,411,366	6,277,790	6,344.28	109.6	5,902,030	106.4
Females								
1956-60.....	14,880.65	279	\$ 7,264,763	\$ 131,970	338.19	82.5%	\$ 161,597	81.7%
1961-65.....	49,230.73	1,127	27,759,822	596,959	1,207.51	93.3	656,064	91.0
1966.....	15,933.97	388	9,959,897	233,453	420.12	92.4	247,150	94.5
1967.....	18,893.60	470	12,269,074	269,060	497.36	94.5	303,499	88.7
1968.....	21,626.54	558	14,507,508	339,507	576.94	96.7	362,120	93.8
1969.....	25,282.83	630	17,622,826	392,156	687.77	91.6	448,775	87.4
1970.....	28,252.13	650	20,273,451	414,712	794.85	81.8	533,201	77.8
1971.....	33,162.01	878	24,615,990	560,447	945.02	92.9	648,243	86.5

* Set back five years for females.

TABLE 7

INTERCOMPANY GROUP ANNUITY MORTALITY--MATURED LIFE EXPERIENCE TO DECEMBER 31, 1971
 RETIREMENT ON OR AFTER NORMAL RETIREMENT DATE
 COMPARISON WITH G2-1951 TABLE (WITHOUT PROJECTION)*

MALES

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
Actual Deaths by Number of Lives								
60 and under.....	46	53	102	249	336	364	393	419
61-65.....	1,214	2,150	2,887	3,358	3,499	3,564	3,715	3,804
66-70.....	4,792	9,677	14,518	18,229	18,939	19,124	19,229	19,414
71-75.....	3,169	6,786	12,778	19,789	23,109	23,887	24,352	24,798
76-80.....	1,731	3,554	7,521	14,298	18,925	20,379	21,639	23,100
81-85.....	855	1,568	3,154	6,867	10,244	11,503	12,558	13,660
86-90.....	232	494	963	2,118	3,331	3,816	4,407	5,048
91-95.....	60	104	214	448	726	841	916	1,116
96 and over.....	6	11	21	43	78	85	99	117
Total.....	12,105	24,397	42,158	65,399	79,187	83,563	87,308	91,476
Ratio: Actual/Expected by Number of Lives								
60 and under.....	190.4	190.2	150.6	184.2	217.0	218.1	209.1	197.9
61-65.....	117.9	116.9	112.1	113.0	111.1	109.0	107.8	105.7
66-70.....	113.1	112.9	107.0	106.2	105.5	105.2	104.3	103.3
71-75.....	113.4	110.3	108.0	108.7	106.2	104.9	103.8	103.4
76-80.....	110.1	106.5	106.2	101.3	103.9	102.4	101.1	100.9
81-85.....	118.6	107.8	102.7	103.0	100.0	98.7	96.2	94.1
86-90.....	108.0	110.6	104.3	103.7	103.6	101.3	99.8	97.8
91-95.....	153.9	133.8	122.2	106.2	105.1	104.2	98.1	100.9
96 and over.....	†	103.9	79.0	68.3	71.7	63.3	59.5	57.6
Total.....	113.8	111.3	107.2	106.6	104.9	103.6	102.1	101.1

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 7--Continued

MALES--Continued

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
	Ratio: Actual/Expected by Amount of Annual Income							
60 and under.....	197.4	157.3	145.8	117.2	131.6	154.3	151.9	157.7
61-65.....	114.0	115.9	110.2	101.0	103.3	99.5	97.5	98.6
66-70.....	113.9	108.0	101.4	100.3	99.3	99.7	97.2	96.3
71-75.....	112.1	107.9	103.8	101.3	100.5	99.4	97.7	97.2
76-80.....	100.4	104.0	101.7	100.3	97.5	96.0	94.7	95.1
81-85.....	121.1	99.0	101.4	101.2	98.4	97.0	94.1	91.4
86-90.....	90.3	108.4	105.1	97.2	97.9	100.9	99.2	97.7
91-95.....	169.1	157.2	108.2	89.6	99.8	97.3	89.8	90.1
96 and over.....	†	92.3	62.8	78.4	74.1	48.9	45.3	47.4
Total.....	111.7	107.8	103.1	100.6	99.5	98.6	96.5	95.9
	Adjusted Aggregate Ratio							
By lives.....	113.8	110.2	106.6	106.1	104.7	103.5	102.0	101.1
By income.....	110.8	107.0	102.9	100.5	99.3	98.5	96.5	95.9

TABLE 7 - *Continued*

FEMALES

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
Actual Deaths by Number of Lives								
60 and under.....	42	73	77	148	182	193	186	187
61-65.....	164	326	466	684	756	829	877	920
66-70.....	259	647	1,267	1,982	2,262	2,457	2,606	2,751
71-75.....	233	424	1,010	2,139	2,756	2,931	3,068	3,273
76-80.....	128	293	668	1,494	2,239	2,561	2,834	3,141
81-85.....	63	173	312	765	1,274	1,508	1,753	2,023
86-90.....	25	53	127	270	472	572	677	785
91-95.....	4	12	29	75	148	168	177	206
96 and over.....	0	0	7	9	23	24	24	30
Total.....	918	2,001	3,963	7,566	10,112	11,243	12,202	13,316
Ratio: Actual/Expected by Number of Lives								
60 and under.....	89.7	99.6	73.6	98.5	108.7	111.9	106.1	104.9
61-65.....	90.0	88.5	80.2	81.1	73.8	75.8	75.9	75.9
66-70.....	96.9	93.0	85.8	85.2	77.8	78.3	76.9	75.4
71-75.....	127.0	96.4	91.2	92.4	87.8	85.5	83.1	82.1
76-80.....	119.4	116.0	114.6	100.8	95.0	93.9	91.9	91.3
81-85.....	163.7	155.3	123.2	125.1	111.1	108.0	105.0	101.4
86-90.....	151.7	122.0	126.3	107.1	118.0	119.8	117.3	111.9
91-95.....	†	140.8	120.8	133.2	141.5	138.5	126.3	126.2
96 and over.....	†	†	†	†	101.9	87.3	74.2	75.2
Total.....	108.7	100.3	93.6	94.0	89.7	89.3	87.7	86.7

† Less than ten deaths (actual or expected).

TABLE 7—Continued

FEMALES—Continued

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
Ratio: Actual/Expected—by Amount of Annual Income								
60 and under.....	78.7	88.5	80.7	102.9	117.0	107.9	99.8	99.1
61-65.....	96.4	91.9	86.1	82.2	69.8	75.3	74.5	75.5
66-70.....	96.2	97.4	86.8	85.0	77.1	78.2	76.3	74.7
71-75.....	127.5	93.9	87.6	87.6	85.0	83.5	82.1	82.2
76-80.....	113.2	122.0	119.9	99.0	96.9	95.7	94.1	92.1
81-85.....	164.9	138.6	113.8	113.5	105.1	103.4	99.5	98.1
86-90.....	167.6	112.4	123.3	113.0	117.9	117.4	117.7	113.6
91-95.....	†	124.2	121.3	143.2	140.1	141.5	126.6	122.7
96 and over.....	†	†	†	†	86.0	83.8	79.1	84.7
Total.....	110.7	102.5	94.3	91.3	86.8	87.2	85.5	84.8
Adjusted Aggregate Ratio								
By lives.....	121.0	108.4	100.4	97.1	91.2	90.3	88.1	86.7
By income.....	117.5	105.3	97.9	92.8	87.8	87.7	85.8	84.8

TABLE 8

INTERCOMPANY GROUP ANNUITY MORTALITY - MATURED LIFE EXPERIENCE TO DECEMBER 31, 1971
 RETIREMENT PRIOR TO NORMAL RETIREMENT DATE
 COMPARISON WITH Ga-1951 TABLE (WITHOUT PROJECTION)*

MALES

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
	Actual Deaths by Number of Lives							
60 and under.....	651	1,138	1,550	2,432	2,825	2,822	2,863	2,895
61-65.....	1,239	2,312	3,882	6,312	8,003	8,429	8,695	8,962
66-70.....	843	1,857	3,238	5,741	7,660	8,484	9,258	10,135
71-75.....	470	886	2,021	3,383	4,700	5,280	5,866	6,553
76-80.....	218	422	905	1,903	2,516	2,722	2,970	3,348
81-85.....	36	160	389	714	1,198	1,357	1,479	1,619
86-90.....	4	22	103	215	337	395	438	497
91-95.....	0	2	14	43	72	80	81	90
96 and over.....	0	0	1	2	7	10	12	10
Total.....	3,461	6,799	12,103	20,745	27,318	29,579	31,662	34,109
	Ratio: Actual Expected by Number of Lives							
60 and under.....	332.6	307.1	249.7	232.6	217.9	206.6	196.7	187.1
61-65.....	242.8	228.2	198.5	170.9	158.4	153.5	146.5	140.3
66-70.....	166.0	156.1	151.4	141.4	132.1	130.3	127.5	126.1
71-75.....	137.9	129.2	128.1	127.1	123.5	121.7	119.5	117.9
76-80.....	126.4	111.0	117.8	112.7	108.1	106.3	104.5	105.5
81-85.....	94.4	108.5	113.5	106.1	105.7	103.0	99.2	96.7
86-90.....	†	84.3	113.3	104.9	112.5	113.1	105.0	99.3
91-95.....	†	†	139.0	102.8	110.1	111.9	103.7	101.0
96 and over.....	†	†	†	†	†	43.7	40.4	27.1
Total.....	195.6	178.2	161.3	147.4	138.0	134.3	129.7	126.3

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 8 -- *Continued*MALES -- *Continued*

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
	Ratio: Actual/Expected by Amount of Annual Income							
60 and under	247.8	249.2	194.6	195.4	180.1	174.2	164.9	158.5
61-65	206.1	206.7	165.1	145.5	137.3	131.3	122.8	117.5
66-70	144.2	140.4	137.3	126.6	115.8	114.0	113.4	111.6
71-75	130.9	119.8	121.7	117.1	112.1	111.9	111.2	108.8
76-80	115.0	102.1	117.9	111.7	96.5	91.6	90.6	95.3
81-85	78.3	93.6	104.7	116.9	105.7	103.2	98.0	95.4
86-90	†	152.4	93.1	102.4	108.0	116.2	113.1	109.1
91-95	†	†	115.0	88.6	132.4	140.4	95.4	101.9
96 and over	†	†	†	†	†	45.8	30.9	22.2
Total	159.5	156.3	143.0	133.5	123.5	119.9	115.8	112.9
	Adjusted Aggregate Ratio							
By lives	176.8	166.3	156.4	144.1	136.5	133.4	129.2	126.3
By income	158.8	155.5	141.6	131.5	122.3	119.2	115.5	112.9

TABLE 8 *Continued*

FEMALES

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
Actual Deaths by Number of Lives								
60 and under.....	64	118	195	336	423	428	434	453
61-65.....	59	155	327	675	884	1,030	1,115	1,216
66-70.....	54	126	292	569	937	1,079	1,167	1,287
71-75.....	34	71	187	373	608	728	848	959
76-80.....	16	40	99	226	339	389	411	506
81-85.....	3	13	47	71	160	206	244	268
86-90.....	1	4	6	29	62	75	83	89
91-95.....	0	1	1	8	9	11	13	16
96 and over.....	0	0	0	0	0	1	2	2
Total.....	231	528	1,154	2,287	3,422	3,947	4,317	4,796
Ratio: Actual/Expected by Number of Lives								
60 and under.....	191.6	188.7	163.1	158.7	150.9	139.0	129.7	125.4
61-65.....	141.9	153.7	138.2	124.2	106.4	108.6	104.4	101.5
66-70.....	154.5	131.0	128.7	105.9	106.4	105.8	99.7	96.7
71-75.....	139.1	120.1	120.1	110.3	109.9	110.0	108.1	103.6
76-80.....	179.8	132.0	128.9	115.3	107.6	106.3	97.8	104.3
81-85.....	†	140.8	152.1	86.4	107.2	116.1	115.7	107.6
86-90.....	†	†	†	114.5	139.2	141.1	129.3	111.6
91-95.....	†	†	†	†	†	98.4	88.2	88.1
96 and over.....	†	†	†	†	†	†	†	†
Total.....	156.4	146.2	135.1	118.0	111.7	111.2	106.0	103.0

† Less than ten deaths (actual or expected).

TABLE 8—Continued

FEMALES—Continued

Attained Ages	1946-50	1951-55	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
	Ratio: Actual/Expected—by Amount of Annual Income							
60 and under.....	193.9	192.3	171.2	140.1	146.9	137.2	127.8	123.2
61-65.....	135.8	181.9	124.7	114.8	96.4	99.1	92.6	87.6
66-70.....	164.5	134.4	133.0	103.4	100.5	101.1	94.8	91.1
71-75.....	115.5	103.2	106.9	105.1	99.6	106.5	104.4	102.9
76-80.....	147.6	119.1	124.9	95.6	100.8	105.2	94.8	102.6
81-85.....	†	151.2	152.1	96.5	99.2	104.4	109.5	103.6
86-90.....	†	†	†	84.6	131.3	122.5	117.3	104.1
91-95.....	†	†	†	†	†	74.0	59.9	64.9
96 and over.....	†	†	†	†	†	†	†	†
Total.....	146.6	149.9	130.4	110.2	104.0	105.3	99.3	96.1
	Adjusted Aggregate Ratio							
By lives.....	148.6	142.2	132.4	116.2	111.1	111.0	105.9	103.0
By income.....	142.2	151.9	127.9	110.2	103.2	105.0	99.2	96.1

TABLE 9
 INTERCOMPANY GROUP ANNUITY MORTALITY—MATURED
 LIFE EXPERIENCE TO DECEMBER 31, 1971
 RETIREMENT UNDER A PLAN HAVING NO STATED RETIREMENT DATE
 COMPARISON WITH *Ga*-1951 TABLE (WITHOUT PROJECTION)*

MALES

Attained Ages	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
Actual Deaths—by Number of Lives						
60 and under	61	194	295	363	424	486
61-65	533	1,431	1,839	1,949	2,027	2,232
66-70	2,439	5,037	5,587	5,750	5,890	6,200
71-75	1,824	4,877	7,027	7,643	7,942	8,276
76-80	951	2,972	5,099	5,826	6,498	7,182
81-85	350	1,255	2,329	2,810	3,307	3,859
86-90	106	390	744	913	1,106	1,276
91-95	15	67	156	179	221	247
96 and over	5	7	14	18	24	30
Total	6,284	16,230	23,090	25,451	27,439	29,788
Ratio: Actual/Expected—by Number of Lives						
60 and under	272.3	217.8	208.9	216.1	216.9	213.2
61-65	146.9	154.6	150.4	145.1	139.1	142.5
66-70	118.0	120.8	115.4	114.6	112.6	113.5
71-75	108.5	111.2	112.0	113.1	111.9	111.9
76-80	102.6	106.7	105.4	104.6	103.5	103.5
81-85	95.5	100.7	97.4	97.9	97.0	96.9
86-90	96.7	105.5	100.8	99.9	99.8	95.9
91-95	84.1	101.7	116.0	111.5	113.5	105.7
96 and over	†	†	61.4	64.0	72.0	78.4
Total	113.0	115.5	112.1	111.5	109.7	109.6
Ratio: Actual/Expected—by Amount of Annual Income						
60 and under	135.5	157.6	160.4	167.0	168.4	171.4
61-65	127.2	142.8	134.7	134.2	129.8	134.8
66-70	106.9	112.0	103.7	105.4	104.3	104.6
71-75	111.0	106.3	105.2	106.6	104.0	104.2
76-80	104.3	104.2	101.1	100.9	99.8	100.3
81-85	107.1	96.4	94.0	94.5	93.2	92.9
86-90	103.4	105.8	97.2	93.6	98.2	97.4
91-95	52.8	96.0	123.8	109.6	112.4	99.6
96 and over	†	†	99.5	99.3	75.4	81.9
Total	109.3	111.3	106.2	106.9	105.0	105.4
Adjusted Aggregate Ratio						
By lives	109.8	113.4	111.3	111.0	109.5	109.6
By income	109.2	110.0	105.8	106.5	104.9	105.4

* Set back five years for females.

† Less than ten deaths (actual or expected).

TABLE 9—Continued

FEMALES

Attained Ages	1956-60	1961-65	1964-68	1965-69	1966-70	1967-71
Actual Deaths by Number of Lives						
60 and under	11	37	67	85	96	106
61-65.....	50	136	246	267	300	339
66-70.....	120	354	523	608	666	784
71-75.....	55	312	563	646	725	848
76-80.....	22	186	351	438	528	626
81-85.....	15	77	179	222	269	335
86-90.....	6	23	51	64	84	110
91-95.....	0	2	14	22	25	34
96 and over..	0	0	1	2	3	4
Total....	279	1,127	1,995	2,354	2,696	3,186
Ratio: Actual/Expected—by Number of Lives						
60 and under	142.1	145.1	161.2	170.6	166.8	156.8
61-65.....	94.3	85.2	105.8	100.8	100.5	98.8
66-70.....	89.6	86.4	83.3	85.7	83.2	87.7
71-75.....	63.3	92.9	89.4	87.1	83.9	84.8
76-80.....	55.5	104.3	96.1	95.5	92.6	89.1
81-85.....	112.2	101.9	107.0	104.3	100.5	99.1
86-90.....	†	121.1	104.4	96.5	92.9	91.1
91-95.....	†	†	120.7	150.9	142.2	149.8
96 and over..	†	†	†	†	†	†
Total....	82.5	93.3	93.8	93.2	90.6	91.0
Ratio: Actual/Expected—by Amount of Annual Income						
60 and under	141.5	128.5	134.6	130.5	122.5	129.3
61-65.....	73.1	85.0	99.8	92.9	90.9	96.9
66-70.....	88.3	86.3	83.7	87.6	82.9	81.3
71-75.....	62.7	83.0	81.8	81.8	77.7	77.4
76-80.....	64.8	106.4	95.3	90.8	87.6	85.9
81-85.....	155.9	118.8	112.5	106.3	101.1	93.8
86-90.....	†	112.2	118.3	103.9	111.0	98.7
91-95.....	†	†	229.0	263.3	250.6	207.7
96 and over..	†	†	†	†	†	†
Total....	81.7	91.0	91.4	90.7	87.0	86.1
Adjusted Aggregate Ratio						
By lives.....	80.6	95.1	94.4	93.6	90.8	91.0
By income....	84.0	93.0	92.3	91.1	87.3	86.1

increase at a higher rate than for retirements on or after normal retirement date. This pattern reflects the increasing prevalence of early retirement provisions under pension plans and their increased use during the reporting period. As a consequence, the proportion of good health retirements in the early retirement population has been increasing.

Experience for lives retiring under plans with no stated retirement age continues to run somewhat higher than for lives retiring on or after normal retirement age, and somewhat lower than for early retirements.

The 1970 mortality ratios for most groups appear abnormally low when compared with the corresponding ratios for 1969 and 1971. There is no apparent explanation for this phenomenon.

Mortality ratios by amount generally are lower than ratios by number (based on the *Ga*-1951 Table without projection). For men the differences are about 5 per cent for lives retiring on or after normal retirement date, about 4 per cent for lives with no stated retirement age, and about 13 per cent for early retirement. Corresponding differences for women generally were less.

CONTRIBUTING COMPANIES

The following companies have contributed experience for the investigation covered by this report:

Aetna Life Insurance Company
Bankers Life Company
Canada Life Assurance Company
Confederation Life Association
Connecticut General Life Insurance Company
Equitable Life Assurance Society
Great-West Life Assurance Company
John Hancock Mutual Life Insurance Company
Massachusetts Mutual Life Insurance Company
Metropolitan Life Insurance Company
North American Life Assurance Company
Occidental Life Insurance Company
Pacific Mutual Life Insurance Company
Prudential Insurance Company of America
Sun Life Assurance Company of Canada
The Travelers Insurance Company