REPORT ON AN ACTUARIAL VALUATION OF THE
SOUTH CAROLINA POLICE OFFICERS
RETIREMENT SYSTEM
PREPARED AS OF JUNE 30, 1973 AND
JUNE 30, 1974

GEORGE B. BUCK CONSULTING ACTUARIES, INC.

EMPLOYEE BENEFIT PLAN CONSULTANTS

TWO PENNSYLVANIA PLAZA, NEW YORK, NEW YORK 10001 212-695-2800

May 3, 1976



Mr. Purvis Collins, Director South Carolina Police Officers Retirement System P. O. Box 11960 - Capitol Station Columbia, South Carolina 29211

Dear Mr. Collins:

I am sending you herewith the signed bound copy of the "Report on an Actuarial Valuation of the South Carolina Police Officers Retirement System Prepared as of June 30, 1973 and June 30, 1974."

Very truly yours,

GEORGE B. BUCK CONSULTING ACTUARIES, INC.

Ву

Hugh Cillespie

Consulting Actuary

HG:JC Enc.

GEORGE B. BUCK CONSULTING ACTUARIES, INC.

EMPLOYEE BENEFIT PLAN CONSULTANTS

TWO PENNSYLVANIA PLAZA, NEW YORK, NEW YORK 10001 212-695-2800

February 27, 1976

State Budget and Control Board South Carolina Police Officers Retirement System Columbia, South Carolina

Gentlemen:

I transmit herewith our report on the combined actuarial valuations of the South Carolina Police Officers Retirement System prepared as of June 30, 1973 and June 30, 1974.

As of June 30, 1973 in conjunction with a proposed study to incorporate benefits in the retirement system related to average final compensation, the valuation interest rate was increased from 4-1/2 per cent to 5-1/4 per cent. Special calculations were prepared on the basis of strengthened active service and mortality tables, a salary scale deemed appropriate for use and a 5-1/4 per cent interest assumption in order to determine the level of benefit which could be provided after taking into account excess reserves generated by the change in interest rate to 5-1/4 per cent and the revised actuarial assumptions. Inasmuch as benefits under the structure in effect June 30, 1973 were not related to salaries, periodic increases for all active and retired members had been made in the past on the basis of gains arising from year to year under the employer contribution rate of 8.5 per cent of payroll. However, in order to accomplish the general objective of incorporating benefits in the System related to average final compensation, various estimates were made in order to determine a benefit structure which could be supported on the basis of the revised actuarial assumptions and a 5-1/4 per cent valuation interest rate.

On the basis of the special study prepared as of June 30, 1973, two separate plans were established within the System, one providing for a basic flat monthly allowance for each year of covered service and one providing for a salary related monthly allowance computed as a percentage of average final compensation for each year of covered service which would in general automatically apply to members covered under the Supplemental Allowance Plan with special provision for such coverage extended to other members. Employee and employer contributions would be based on plan coverage. It was further recommended that the past practice of periodically increasing benefits for members covered under the flat basis plan be continued. It was also suggested that provision be made for cost-of-living increases in retirement allowances provided such increases did not require an increase in the employer rates of contribution. In line with these recommendations, the

1974 Session of the General Assembly adopted several major changes in the System effective July 1, 1974. This report presents the results of the June 30, 1974 valuation prepared on the basis of the amendments to the System effective July 1, 1974. Inasmuch as the June 30, 1974 data indicated membership as basic or supplemental in accordance with the provisions in effect as of the valuation date, it was deemed conservative to value as Class Two service the future service credit for all members since approximately 65 per cent of the June 30, 1974 membership is covered under the Supplemental Program and such members will automatically become Class Two members as of July 1, 1974.

I trust that the report is in satisfactory form for use by the Board.

Respectfully submitted,

GEORGE B. BUCK CONSULTING ACTUARIES, INC.

Ву

Hugh Gillespie /

Consulting Actuary

REPORT ON THE ACTUARIAL VALUATIONS OF THE SOUTH CAROLINA POLICE OFFICERS RETIREMENT SYSTEM PREPARED AS OF JUNE 30, 1973 AND JUNE 30, 1974

The South Carolina Police Officers Retirement System was established as of July 1, 1962. Membership in the System is open to any police officer of the State or other employer (county, municipality or other political subdivision of the State and any agency or department thereof) that has been admitted to the System. A police officer whose period of active duty during a year is at least 1,600 hours and his compensation for such service is at least \$2,000 per year is eligible to join. Membership is compulsory with employees who become police officers of the State or other employers after the employer's date of admission to the System. Police officers in service on the employer's date of admission become members as of such date unless they file elections not to become members of the System and execute a waiver of all present and prospective benefits which would otherwise inure to them on account of their participation in the System. Contributions to provide the benefits under the System are made jointly by the members and the employers.

This report presents the results of the actuarial valuation of the System prepared as of June 30, 1974. The report gives first a summary of the benefit and contribution provisions of the System as in effect since July 1, 1974 and a statement of the membership as of June 30, 1973 and June 30, 1974. Next, the valuation balance sheet showing the assets and liabilities of the System as of June 30, 1974 is presented, followed by recommendations regarding the contributions payable by the employers. Appended to the report is an outline of the actuarial assumptions and method employed as well as summaries of the membership data on which calculations were based.

SUMMARY OF BENEFIT AND CONTRIBUTION PROVISIONS

A summary of the main benefit and contribution provisions of the System as amended effective July 1, 1974 and interpreted for the valuation is presented in the following digest. Credited service of a member includes all service as a police officer since he last became a member of the System and also includes, in the case of a member who became such on or before June 30, 1963, remains a member until death or retirement under the System and who immediately prior to his becoming a member was a participant in another fund, service which was credited to him under such other fund. "Supplemental Allowance Program" is the Supplemental Allowance Program established under the System as of July 1, 1966 and as in effect on June 30, 1974. There are two classes of members under the System. Class Two includes each member who was a participant in the Supplemental Allowance program as of June 30, 1974 and any other police officer who became a member prior to July 1, 1974 and is employed by the State or by an employer which is participating in the Supplemental Allowance Program as of June 30, 1974 or which elects to provide Class Two membership for police officers in its employ and elects by written notice filed with the board within 60 days after July 1, 1974 to become a Class Two member as of said date, provided that any such member who is not in service as of July 1, 1974 may make such election within 60 days after his return to service. Any police officer becoming a member on or after July 1, 1974 who is employed by the State or by an employer which has elected to provide Class Two membership for police officers in its employ and any member employed by an employer whose date of admission is on or after July 1, 1974 is a Class Two member. Any member who is not a Class Two member is a Class One member. "Class Two service" is credited

service subsequent to June 30, 1974 as a Class Two member, and credited service prior to July 1, 1974, or date of membership, if later, with respect to which required contributions have been made. "Class One service" is credited service which is not "Class Two service". "Average final compensation" is the average annual compensation of a member during the three consecutive fiscal years of credited service producing the highest such average.

BENEFITS

Service Retirement Allowance

Condition for Allowance

A member may retire on a service retirement allowance upon the attainment of age 55 and the completion of 5 years of credited service.

Amount of Allowance

Upon service retirement a member receives a service retirement allowance which is equal to:

- (1) A monthly retirement allowance equal to eight dollars multiplied by the number of years of his Class One service.
- (2) A monthly retirement allowance equal to one-twelfth of one and three-fourths per cent of his average final compensation multiplied by the number of years of his Class Two service.
- (3) An additional monthly retirement allowance which is the actuarial equivalent of the member's accumulated additional contributions at retirement.

The sum of the retirement allowances under (1) and (2) above is not to be less than the allowance which would have been provided under (1) if all of the member's credited service were Class One service. In the case of a police officer who became a

member prior to July 1, 1974 and who was a participant in the Supplemental Allowance Program, the portion of his service retirement allowance not provided by his accumulated contributions is not to be less than it would have been if the provisions of the System in effect on June 30, 1974 had continued in effect until his date of retirement.

Early Retirement Allowance

Condition for Allowance

A member who has completed 20 years of credited service may retire on an early retirement allowance.

Amount of Allowance

Upon early retirement a member is entitled to a deferred allowance commencing at age 55 which is equal to a deferred allowance equal to a service retirement allowance computed on the basis of his average final compensation and credited service at his early retirement date.

If the member has attained age 50 and completed 25 years of credited service at early retirement date, in lieu of such deferred allowance, he may elect to receive a reduced allowance commencing immediately which is equal to the deferred allowance computed on the basis of Class One and Class Two service reduced by 5/12 of 1% for each month by which his age at retirement is less than age 55, plus the actuarial equivalent of the member's accumulated additional contributions.

Disability Retirement Allowance

Condition for Allowance

A member who has completed 5 or more years of credited service and is permanently incapacitated for duty, mentally or physically, may retire or be retired on a disability retirement allowance.

Amount of Allowance

Upon disability retirement a member receives a disability retirement allowance computed as a service retirement allowance based on his average final compensation, his years of credited service and his accumulated additional contributions at disability retirement; however, for a member who at disability retirement has not completed 20

years of credited service, his disability retirement allowance is determined on the basis of either 20 years of credited service or the number of years of credited service the member would have completed had he remained in service until age 55, whichever is less, and, in either case, on the basis of the Average Final Compensation he would have had if he had continued in service without further change in compensation until the completion of said number of years of credited service. For the purpose of calculating the disability retirement allowance, the additional credited service so determined is either Class One service or Class Two service depending upon the classification of the member at time of retirement.

Return of Contributions

Death Benefit

Should a member cease to be a police officer exept by death or retirement his accumulated contributions are returned to him. Should a member die before retirement the amount of his accumulated contributions is paid to his designated beneficiary or estate.

Upon the death of a member in service a lump sum amount is paid to his designated beneficiary or estate equal to:

- (1) The amount of his accumulated contributions, excluding any additional contributions, or \$1,000, whichever is greater; plus
- (2) The amount of his accumulated additional contributions.

Upon the death of a retired member who has not elected an option, the excess of his total accumulated contributions at the time his allowance commenced over the sum of the retirement allowance payments made to him is paid to his designated beneficiary or estate.

In the event of the death before retirement of a member who has attained age 55 and completed 20 or more years of credited service, his designated beneficiary may elect to receive in lieu of the lump sum settlement otherwise payable based on (1) above an allowance for life in the same amount as if the member had retired at the time of death and had chosen Option 1.

Such beneficiary may elect to receive in lieu of the member's accumulated additional contributions, an allowance for life which is the actuarial equivalent of the amount of contributions left on deposit in the System.

Pre-retirement Death Benefit Program

Upon the death of a contributing member in service who had completed at least one full year of membership, a death benefit is payable to his designated beneficiary or estate, equal to the annual compensation of the member at the time his death occurs. Such death benefit is payable apart and separate from the payment of the member's accumulated contributions. Benefits under this program are to be provided in the form of group life insurance.

Accidental Death Benefit Program

Upon the death in active service as a result of the actual performance of duty of a member whose employer participates under the Program, a pension equal to 50% of the member's compensation at the time of death is paid to his widow during her widowhood. If there is no eligible widow before the youngest child attains age 18 the pension is paid to surviving children under age 18 or, if at the time of the member's death there is no widow or child under age 18, the pension is paid to his surviving father or mother. Such death benefit is payable apart and separate from any other benefits payable upon death.

Optional Allowances

Until the first payment on account of a retirement allowance becomes normally due, any member may elect to receive his retirement allowance in accordance with one of the following forms, which are computed to be actuarially equivalent:

Option 1. A reduced retirement allowance payable during the retired member's life, with the provision that after his death the reduced allowance will be continued to his designated beneficiary.

Option 2. A reduced retirement allowance payable during the retired member's life, with the provision that after his death one-half of the reduced allowance will be continued to his beneficiary.

Cost-of-Living Adjustments in Allowance

As of July 1 1975, on the basis of a program whereby allowances are to be increased by 4% if the increase in the Consumer Price Index for the previous year ending December 31 equals or exceeds 3%, the retirement allowance, exclusive of any part thereof derived from accumulated additional contributions, of each beneficiary in receipt of an allowance as of December 31, 1973 is to be increased by 4%. Any such increase in allowances after the first five such increases becomes effective only if the additional liabilities on account of such increase in allowances do not require an increase in the employer rate of contribution. Any increase in allowance granted hereunder is to be permanent, irrespective of any subsequent decrease in the Consumer Price Index, and is to be included in determining any subsequent increase.

The allowance of a surviving annuitant of a beneficiary whose allowance is increased under this section is to be increased by the same per cent, when and if payable.

CONTRIBUTIONS

By Members

Each Class One member contributes \$16 per month. Each Class Two member contributes 5% of compensation.

By Employers

Commencing as of July 1, 1974, each employer contributes 7.5% of the compensation of Class One members and 10% of the compensation of Class Two members in its employ. Such rates are subject to adjustment on the basis of actuarial valuations.

MEMBERSHIP OF THE SYSTEM

ACTIVE MEMBERSHIP

Table I shows the number of active members included in the membership as of June 30, 1973 and June 30, 1974.

TABLE I

NUMBER AND ANNUAL COMPENSATION

OF ACTIVE MEMBERS

	AS OF JU	: JNE 30, 1973	AS OF JU	INE 30, 1974
GROUP	Number	: Annual : Compensation :	Number	Annual Compensation
Men	4,929	:\$ 36,302,171	5,462	: \$ 42,962,453
	92	583,594	1.54	884,689
Women Total	5,021*		5,616*	:\$ 43,847,142 :

^{*}There are in addition 1,001 members not on the payroll as of June 30, 1973 and 1,073 as of June 30, 1974 but included in the individual accounts maintained by the System. The results of the valuation were adjusted to take these members into account.

RETIRED MEMBERS

Table II shows the number and annual retirement allowances of beneficiaries on the roll as of June 30, 1973 and June 30, 1974.

TABLE II

THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES ON THE ROLL AS OF JUNE 30, 1973 AND JUNE 30, 1974

:	AS OF	JUNE 3	30, 1973	AS OF J	UNE :	30, 1974
GROUP	Number	: : Re	Annual etirement Lowances	Number		Annual etirement llowances
Service and Early : Retirements: : Men : Women :	512 10	: : :\$	758,767 14,304	: : : 535 : 12	: : :\$	887,256 17,856
Total	522	: :\$	773,071	: 547 :	: : -:	905,112
Disability : Retirements: : Men : Women :	50 1	: : : : :	57 , 148 999	: : : 53	: : : :	68,700
Total	51	:\$	58,147	53	: :\$ _:	68,700
Beneficiaries of Deceased Members: Men		:		:	:	. OF ((0
Women	80	:\$	89,872	. 88	_: <u>\$</u> _	105,660
Total	80	: :\$:	89,872	88	.\$	105,660
Grand Total	653	\$	921,090	688	: :\$	1,079,472

VALUATION BALANCE SHEET

The following valuation balance sheet indicates the present and contingent assets and liabilities of the retirement system as of June 30, 1974. The amounts of the present assets shown on the balance sheet were taken from a statement furnished by the Director of the System and exclude reserve assets creditable to separate accounts for the Accidental and Group Life Insurance Pre-retirement Death Benefit Programs.

TABLE III

VALUATION BALANCE SHEET SHOWING THE ASSETS AND LIABILITIES OF THE SOUTH CAROLINA POLICE OFFICERS RETIREMENT SYSTEM AS OF JUNE 30, 1974

ASSETS		
Present assets of System creditable to:	_	
Employee Annuity Savings Fund \$ 11,642,3 Employer Annuity Accumulation Fund	28	
excluding \$576,402 creditable to Death Benefit Program Account 35,498,0		1 - 1 - 2 - 2 - 1
Total Present Assets	\$	47,140,354
Present value of prospective contributions to the Employer Annuity Accumulation Fund:		
Normal contributions \$ 36,352, Accrued liability contributions 14,432,	710 467	
Total Prospective Contributions		50,785,177
Total Assets	\$ ====	97 ,925 ,531
		•
LIABILITIES		
Present value of benefits on account of which contributions have been accumulated to date in the Employee Annuity Savings Fund	\$	11,642,328
Present value of benefits payable on account of beneficiaries now drawing allowances from the Employer Annuity Accumulation Fund		10,352,219
Present value of benefits to active members to be paid by contributions of the employers into the Employer Annuity Accumulation Fund		72,808,084
Reserve for future increases in retirement	_	3,122,900
allowances Total Liabilities	\$	97,925,531

RESULTS OF VALUATION

The valuation balance sheet indicates the following in regard to the funds of the System.

Employee Annuity Savings Fund

The Employee Annuity Savings Fund is the fund to which are credited the contributions made by members together with interest thereon. When a member retires, the amount of his accumulated contributions is transferred from this fund to the Employer Annuity Accumulation Fund. The assets credited to the Employee Annuity Savings Fund on June 30, 1974, which represents the accumulated contributions of members to that date, including supplemental contributions made by members under the Supplemental Allowance Program, amounted to \$11,642,328. The liabilities of this fund are also shown as \$11,642,328. Future contributions into this fund and benefits payable from such contributions are considered to be of equivalent value and hence are not shown in the balance sheet.

Employer Annuity Accumulation Fund

The Employer Annuity Accumulation Fund is the fund to which the contributions made by employers are credited and from which are paid all benefits on account of retired members and their beneficiaries.

The present assets creditable to the Employer Annuity Accumulation Fund on June 30, 1974, excluding reserve assets of \$576,402 creditable to separate accounts for the Accidental and Group Life Pre-retirement Death Benefit Programs, amounted to \$35,498,026. The liabilities on account of active members amounted to \$72,808,084. In addition, the balance sheet indicates liabilities of \$10,352,219 on account of all benefits payable to retired members or their beneficiaries from the Employer Annuity Accumulation Fund, including increases in retirement allowances effective July 1, 1974. The balance sheet also shows a reserve of \$3,122,900 for future increases in retirement allowances to provide approximately five cost-of-living increases of 4 per cent per annum commencing July 1, 1975. The total liabilities therefore amounted to \$86,283,203. The difference between these liabilities and the present assets credited to this fund is \$50,785,177, which represents the present value of future contributions to be made by employers.

The retirement act provides that each employer shall contribute 7.5 per cent of compensation of Class One members in its employ and 10 per cent of compensation of Class Two members in its employ. Since the valuation was prepared on the assumption that all members would have Class Two service credits for service after June 30, 1974, the normal rate was determined on the basis of Class Two service for the average new entrant to be 7.5 per cent of compensation. Therefore, if employers contribute 10 per cent of payroll, 7.5 per cent is attributable to normal contributions and 2.5 per cent to accrued liability contributions. On this basis, it is anticipated the accrued liability of \$14,432,467 will be liquidated within a period of 23 years from the valuation date.

CONCLUSIONS AND RECOMMENDATIONS

The results of the valuation, assuming Class Two coverage for all members after June 30, 1974 and an employer contribution rate of 10 per cent (exclusive of the cost of the pre-retirement and accidental death benefits) indicates the unfunded accrued liability will be liquidated within 23 years. It should be noted that on a 30 year funding period as of June 30, 1974, a margin of conservatism still exists in the employer contribution rate. Therefore, it appears the System is in a sound actuarial condition.

In connection with the valuation to be prepared as of June 30, 1975, the unfunded accrued liability will be determined on the basis of the actual Class One and Class Two membership as of that date. It is therefore recommended that in accordance with the provisions of the retirement act each employer contribute 7.5 per cent of compensation of Class One members and 10 per cent of compensation of Class Two members.

In addition, participating employers pay the cost of the Accidental and Pre-retirement Death Benefit Programs.

The rate necessary to provide the pre-retirement lump sum death benefit may be reduced from the present employer rate of one per cent of compensation in view of the development of reserve assets of \$478,112 for this benefit. Employees may continue to contribute .35 per cent of compensation for accidental death benefits.

The following table gives the rates of contribution payable by employers.

TABLE IV

RATES OF CONTRIBUTION RECOMMENDED FOR PAYMENT BY EMPLOYERS

RATES OF : CONTRIBUTION :	CLASS : ONE :	CLASS TWO
Regular Benefits :	7.50% :	10.00%
Pre-retirement Death : Benefits* :	.75	.75
: Accidental Death Benefits*	•35 :	.35
Total :	8.60% :	11.10%

^{*}Payable by participating employers.

BASIS FOR VALUATION

The valuation of the Retirement System was made on the basis of the rates of separation, salary scale and mortality tables which were adopted by the Board on November 7, 1974. An interest rate of 5-1/4 per cent per annum was used. An outline of the actuarial assumptions and method employed is included on the following page.

OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHOD

INTEREST RATE: 5-1/4% per annum, compounded annually.

SEPARATIONS FROM SERVICE AND SALARY INCREASES: Representative values of the adopted annual rates of separation and annual rates of salary increases are as follows:

Annual Rate of

<u>Age</u>	Withdrawal	<u>Death</u>	Disability	Service Retirement*	Salary Increase
20 25 30 35 40 45 50 55	13.79% 12.83 9.12 5.61 3.43 2.33 1.74	.10% .13 .16 .20 .27 .40 .57 .88 1.42	.14% .16 .20 .26 .34 .50	6.50% 9.90	7.29% 6.39 5.01 3.29 2.50 2.21 1.80 1.60 1.40
64		2.03		15.98	1.30

DEATHS AFTER RETIREMENT: Combined Annuity Mortality Tables, Modified and Makehamized, for service retirement and dependent beneficiaries with a one year set back in ages. A special mortality table is used for disability retirements.

LOADING OR CONTINGENCY RESERVES:

- *A loading was included to cover additional liabilities on the basis of an expected increase in the rates of service retirement in conjunction with the improved benefits under the average final compensation formula.
- **Reserves were included to provide for an annual inflation factor of 2 per cent in the salary scale and the flat benefit formula.

VALUATION METHOD: Projected benefit method with level percentage entry age normal cost and open-end unfunded accrued liability. Gains and losses are reflected in the period remaining to liquidate the unfunded accrued liability. Lump sum death benefits are provided on a one-year term basis.

A detailed record of each member of the System on the valuation date was required as a basis for determining the contingent assets and liabilities of the System. Summaries of the tabulations of the data submitted for the valuations as of June 30, 1973 and June 30, 1974 are given in the following tables.

TABLE 1A

	. '1	MEN	WOMEN	
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT
19	5 \$	18,342		
20	4	25,651		
21	12	57,306	6 \$	32,725
22	111	631,788	3	21,032
23	133	775,856	10	56,521
24	163	1,032,860	6	33,663
25	187	1,203,993	3	21,882
26	220	1,509,163		
27	214	1,422,533	1	5,718
28	154	1,052,762		
29	148	1,016,312	3	23,272
30	138	982,483	4	21,889
31	145	1,051,117	3	21,828
32	120	881,103	2 2	10,719
33	137	993,622	2	12,848
34	117	894,654	1	6,621
35	93	731,571	3	19,510
36	108	819,951	5	32 ,79 8
37	103	818,735		
38	96	760,279	4	31,064
39	107	831,832		
4()	116	903,872		
41	92	692 , 906	4	21,106
42	120	967,638	1	9,220
43	132	1,009,483		
414	86	666,060	1	6,008
45	110	917,645	1	5,460
46	110	883,589	1	5,731
47	88	689,625	2	13,244
48	96	770 • 271	6	39,611
49	. 131	1,026,767	2	13,276
50	70	558,994	• _	
51	83	686,653	1	6,248
52	93	724,578	1	6,939
53	107	843,824	1	5,426
54	93	734,788	1.	5,160
55	107	842,551	6	36,106

TABLE 1A

CONTINUED

	MEN		WOMEN		
ΔGE	NUMBER	AMOUNT	NUMBER	AMOUNT	
6 . 6 .	81 \$	612,635	1 \$	7,796	
56	89	711,653			
57	72	584,790	1	6,327	
58 59	87	672,414			
60	78	600,179			
61	73	506,696	2	11,864	
62	-63	463,960	4	31,982	
63	41	346,282			
64	58	468,039		•	
65	48	346,127		-	
66	24	163,242	•		
67	10	68,268			
68	11	67,379		2	
69	6	31,202			
70	10	69,972			
71	7	47,047			
72	7	17,351			
73	8	54,377			
74		7,340			
75	3	14,210			
76	2 3 1	9,100			
86	1	8,751			
TOTAL	4,929 \$	36,302,171	92 \$	583,594	

See Footnote Table I

	MEN		WOMEN		
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT	
18	1 \$	3,150			
19	7	25,556	3 \$	12,198	
20	6	32,753	4	15,403	
21	17	83,408	3	15,372	
22	93	574,347	10	57,097	
23	169	1,104,486	7	31,560	
24	177	1,197,556	15	82,199	
25	211	1,450,760	8	45,792	
26	226	1,581,528	5	26,627	
27	238	1,795,909	5	28,912	
28	226	1,706,090	6	31,950	
29	173	1,331,882	3	17,636	
30	152	1,165,206	4	26,889	
31	160	1,225,028	3	18,300	
32	15ó	1,264,636	7	48,923	
33	128	1,048,366	3 3 2 2	14,249	
34	141	1,147,263	3	12,551	
35	129	1,076,749	2	14,177	
36	104	830,866		15,467	
37	117	1,001,249	7	45,826	
38	116	992,902	4	17,689	
39	102	901,501	4	29,863	
40	119	988,492	2	11,060	
41	128	1,070,503	_		
42	107	885,431	4	21,217	
43	139	1,147,984	2	14,117	
44	148	1,220,992	_		
45	93	746,792	1	7,360	
46	118	1,021,230	3	15,181	
47	118	1,044,586	. 3	17,185	
48	9 5	803,623	3	19,862	
49	100	865,293	6	33,444	
50	142	1,157,503	2	13,880	
51	75	649,455	3	13,448	
52	94	801,915	1	7,654	
53	94	778,476	2	11,207	
54	115	954,513	2	11,891	
55	97	782,579	1	6,176	

CONTINUED

	MEN		WOMEN	
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT
E 4	108 \$	895,367	6 \$	37,161
56	80	635,340	1	7,040
57	86	713,673		
58	7 2	611,466	1	6,186
59	87 .	682,673		
60		585,173		
6 1	75	513,706	2	10,000
62	69	403,041	1	11,940
ó3	51 27	304,607	•	
64	37	441,888		
65	53			
66	39	273,663		•
67	17	115,443		
68	9	56,665		
69 ,	. 8	59,771		÷
70	6	29,408		
71	8	54,986		
72	4	30.732		
73	7	20,478		
74	8	32,823		
75	2	10,596		
76	3	14,782		
77	1	9,984		
87	1	5,630	· ·	
TOTAL	5,462 \$	42,962,453	154 \$	884,689

See Footnote Table I

TABLE 2 A

THE DISTRIBUTION OF THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS BY YEARS OF CREDITED SERVICE AS OF JUNE 30 1973

YEARS		MEN		MOMEN		
OF SEKVICE	NUMBER	TAUCMA	NUMBER	AMOUNT.		
0	529 \$	2,715,613	9 \$	41,405		
	723	4,571,836	42	257,528		
1	514	3,543,635	11	64,441		
2 3	376	2,681,599	3	22,087		
	378	2,742,452	4	30,555		
4	266	1,998,906	5	42,153		
5	241	1,829,477	2	15,959		
6 7	198	1,540,582	3	20,136		
	171	1,330,568	ž	14,087		
8 9	112	945,235	1	7,796		
	145	1,162,024	*	. ,		
10	177	1,379,916	4	25,088		
11	111	909,056	'	to the product		
12	97	830,338				
13	44	352,064				
14	70	606,782	1	5,160		
15	88	774,007		6,664		
16	58	474,730	1 2	12,438		
17	45	422,657	<i>-</i>	2 - 7 (3)		
18	45 67	616,258				
19	51	417,432				
20	67	608,292	1	6,399		
21		334,212	1	0,7377		
22	40 50	442+063				
23	50	249,923	1.	11,696		
24	27	480,919	1.	114070		
25	49 42	661,252				
26	63	315+846				
27	34	214,428				
28	24					
29	9	87,216 77,033	•			
30	9	98,333				
31	10					
32	21	241,850 170,368				
33	17 9	109,937				
34		73,629				
35	8	159,648				
36	16	18,383				
37	2 7	61,017				
38		23,670				
39	2	•				
41	1	12,072 7,813				
42	2					
54	1	9+100				
TOTAL	4,929 5	36,302,171	92 \$	583,594		

THE DISTRIBUTION OF THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS BY YEARS OF CREDITED SERVICE AS OF JUNE 30 1974

YEARS	MEN		WOMEN		
OF SERVICE	NUMBER	AMOUNT	NUMBER	AMOUNT	
o	228 \$	1,008,312	29 \$	107,756	
1	1,178	7,657,466	49	283,042	
2	612	4,306,800	38	228,973	
3	453	3,412,833	9	52,565	
4	340	2,670,486	4	28,695	
5	347	2,727,139	3	25,930	
6	258	2,127,324	4	35,065	
7	231	1,939,163	2	15,858	
8	183	1,555,634	4	23,619	
9	162	1,352,667	2	14,016	
10	109	1,000,730	1	7,040	
11	140	1,241,107	•		
12	166	1,347,246	3	20,339	
13	107	974,505			
14	90	861,048			
15	41	359,225			
16	64	634,085	1	6,176	
17	89	853,131	1	6,000	
18	57	561,065	2	11,024	
19	42	404,291	•		
20	66	694,252			
21	49	447,764	_		
22	63	683,185	1	6,651	
23	39	345,727			
24	50	485,520	_	11.0/0	
25	26	244,802	1	11,940	
26	46	527,376			
27	62	724,531			
28	33	345,955			
29	23	219,377			
30	8	87,504			
31	8	71,421			
32	11	117,164			
33	20	266,910			
34	17	208,667			
35	8	119,442			

THE DISTRIBUTION OF THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS BY YEARS OF CREDITED SERVICE AS OF JUNE 30 1974

CONTINUED

YEARS OF	S MEN		WOMEN	
SERVICE	NUMBER	AMDUNT	NUMBER	TRUOMA
36	7 \$	73,881		
37	15	171,317		
38	1	3,939		
39	7	63,728		
40	2	29,729		
42	1	14,840		
43	2	11,181		
5 5	1	9,984		
TOTAL	5,462 \$	42,962,453	154 \$	884,689

See Footnote Table I

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES BY AGE AS OF JUNE 30 1973

SERVICE AND EARLY RETIREMENTS

	MEN		MOWEN	
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT
55 56 57	5 \$ 8 11	8,465 13,338 18,189		
58 59 60	11 15 13	16,589 19,834 21,203	1 \$ 1	1,627
61 62 63 64	15 28 31 35	20,088 44,944 49,093 50,182	1	1,952
65 66	35 39	51,087 59,731	2	2,107
67 68	38 44 23	54,653 66,314 30,443	1	1,960
69 70	36 19	54,267 24,821	1	2,398
71 72 73	13 26	19,585 39,793	1	1,653
74 75	13 16	18,371 21,039	1	635
76 77 78 79 80 81 82 83 84 85	13 7 4 4 2 2 2 1 1	19,545 9,725 5,295 7,026 1,560 2,691 4,920 360 2,166 780 2,670	ì	384
TOTAL	512 \$	758,767	10 \$	14,304
SUMMARY			() (12 110
NO OPTION OPTION 1 OPTION 2	444 \$ 39 29	673,143 45,781 39,843	8 \$ 2	12,118 2,186

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIANTES BY AGE AS OF JUNE 30,1974

SERVICE AND EARLY RETIREMENTS

Mi		EN	WOMEN	
AGE	NUMBER	AMBUNT	NUMBER	AMBUNT
45	1 \$	1,464		•
53	ī	2,616		
56	- 9	15,660		•
57	12	18,672		
58	15	21,180		
59	12	21,012		
60	17	24,096	1 \$	1,788
61	15	27,192	1	1,740
62	20	30,600		
63	33	54,156	2	2,172
64	35	81 ,9 60	1	2,136
65	37	58,668		
66	43	& £,21 6	2	2,316
67	39	69,156		
ද හි	35	58,560	I	2,148
69	41	66,276		
70	21	32,220		
71	36	60,012	1	2,628
72	16	22,404	_	2 010
7 <i>5</i>	13	21,948	1	1,812
7.4	26	43,728	ng .	404
7 5	10	14,772	1	696
76	13	19,116		420
77	13	21,480	1	420
78	6	9,192		
79	4	5,832		
80	. 4	7,740		
81	2	1.716		
82	2	2,940		
83	<u>i</u>	2,472		
84	1	396		
86	1	864		
87	1	2,940		
TOTAL	535 \$	887,256	12 \$	17,856
SUMMARY				·
a tive of the second of the second	469 \$	860,760	10 \$	15,456
NO CPTION	39	46,360		2,400
OPTION 1	27	38,136	-	_,
CPTION 2	<i>L.</i> 1	204 120		

TABLE 4 A

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES BY AGE AS OF JUNE 30 1973

DISABILITY RETIREMENTS

. MEN			WOMEN		
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT	
37	1 \$	612			
4()	3	2,760			
41	1	1,368			
42	1	1,267			
43	1 .	1,423			
44	2	1,334			
45	2	2,265			
47	2	3,281			
48	4	5,667			
49	1	608			
50	2	2,400			
51	2	2,904			
52	3	2,715	1 \$	999	
53	4	3,627			
54	8	10,903			
55	1	1,620			
56	5	4,977			
58	3	2,869	•		
61	ì	1,166			
63	i	1,223			
69	ì	1,788			
74	i	371			
14	1	5,2			
TOTAL	50 \$	57,148	1 \$.	999	
SUMMARY					
	7 / · ·	42,342	1 \$	999	
NO OPTION	36 \$	9,126	τ Ψ		
OPTION 1	. 10				
OPTION 2	4	5,6 80			

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES BY AGE AS OF JUNE 30,1974

DISABILITY RETIREMENTS

MEN		EN	WOMEN	
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT
38	2 \$	2,244		
41	2 \$ 3	3,012		
42	1	1,500		•
43	1	1,380		
44	1	1,560		
45	2	1,452		
46	. 2	2,484		
48	2	3,576		
49	5	7,716		
50	3	4,248		
51	2 2	2,640		
52	2	3,192		
53	3	2,976		
54	5	5,052		•
55	8	12,456		
56	1 .	1,788		
5 7	4	3,672	•	•
5 9	3	3,156		
6 2	1	1,284		
64	1	1,344		
70	1	1,968		
TOTAL	53 \$	68,700		
SUMMARY				·
NU OPTION	38 \$	50,532		
OPTION 1	11	11,580		
OPTION 2	4	6,588		

TABLE 5 A

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES BY AGE AS OF JUNE 30 1973

BENEFICIARIES OF DECEASED RETIRED MEMBERS

Ps C 1 A 12 1	MEN		MOMEN		
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT	
AGE 0445790234567890123456789013456	NUMBER		1 \$ 1 1 1 1 1 6 3 2 3 1 3 3 4 4 7 2 4 2 5 2 3 1 3 3 2 2 1 1	AMOUNT 969 902 1,308 371 307 872 8,770 3,667 2,064 3,979 1,156 3,551 2,649 4,243 3,453 5,010 9,158 2,671 2,985 2,637 6,002 1,910 3,188 3,463 3,463 3,463 3,463 1,676 1,602 1,593 1,211	
78 79 80			1 1 1	673 1,010 880	
84			80 \$	89,872	
TOTA	-				

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES BY AGE AS OF JUNE 30, 1974

BENEFICIARIES OF DECEASED ACTIVE AND RETIRED MEMBERS

	MEN		WOMEN		
AGE	NUMBER	,,,,,,	AMOUNT	NUMBER	AMOUNT
AGE	140112			• •	1,068
41				1 \$	996
41 45				1	1,440
46				1	408
				1	336
48 = 0				1	960
50				1	9,552
51 52				6	4,008
53				3	2,268
54				2	4,356
55				3	
56				1	1,272
57				3	3,828
58				. , 4	4,044
59		_	·	4	4,812
60				3	3,792
61				4	5,460
62				7	10,020
63				3	3,444
64				4	3,276
65				5 5 3	4,860
66				5	6,504
67				3	3,504
68				4	4,800
69				1	708
70				3	3,732
71				3	3,552
72				2	2,232
74				2 2	1,848
7 5				2	2,676
76				ī	1,752
77				1	1,332
79				ĩ	744
80				1	1,116
81				1	960
85					
TOTA	L .		•	88 \$	105,660