STATE EMPLOYEES' RETIREMENT SYSTEM

Actuarial Valuation as of December 31, 1978



CONSULTING ACTUARIES • EMPLOYEE BENEFIT PLAN CONSULTANTS

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May 15, 1979

Mr. Richard L. Witmer, Secretary State Employees' Retirement Board 204 Labor and Industry Building Harrisburg, Pennsylvania 17120

STATE EMPLOYEES' RETIREMENT SYSTEM

Actuarial Valuation as of December 31, 1978

Dear Mr. Witmer:

Herewith please find the valuation report showing statements of assets, account balances and actuarial liabilities of the State Employees' Retirement System as of December 31, 1978, together with an actuarial balance sheet in which these statements are consolidated. Reserve liabilities and statistical tables were determined based upon the data submitted by the Commonwealth.

There are attached supporting schedules from A to R, inclusive.

Respectfully submitted,

HUGGINS & COMPANY, INC.

ROBERT H. SMITH, F.S.A.

Member American Academy of Actuaries

RHS:1b

PART I - VALUATION AS OF DECEMBER 31, 1978

A complete actuarial valuation of the State Employees' Retirement System was made as of December 31, 1978 in which the actuarial liabilities were calculated, based on the contributions and benefits in effect on that date. These results were compared with the account balances as of that date and, after adjusting the account balances for deficiencies or surpluses, an actuarial balance sheet was prepared.

This Part I consists of the following three statements:

- 1. Assets of the Retirement Fund as of December 31, 1978.
- Liabilities of the Retirement Fund as of December 31, 1978, showing the various account balances.
- 3. Actuarial liabilities as of December 31, 1978.

In the statement of the assets, it will be noted that the total book value of investments, after adjustment for amortization, amounted to \$2,465,322,524. In addition to the other items, it will be noted that there was an amount of \$63,452,377 of Accounts Receivable which represents amounts due from the Commonwealth. The total assets amount to \$2,567,413,663.

The account balances total \$2,567,413,663, matching the assets of the Retirement Fund, and are allocated as shown in the statement. The account balance in the State Annuity Accumulation Account of \$334,090,286 is before any transfers to adjust account balances.

Comments on the statement of actuarial liabilities are made following the statement. It will be noted that the total actuarial liabilities amount to \$6,385,913,639.

STATE EMPLOYEES' RETIREMENT FUND

STATEMENT OF ASSETS AS OF DECEMBER 31, 1978

Cash	\$ 89,908
Investments	
Unmatured (Par Value) of investments \$2,496,683,277	
Net Accrual on Investments after amortization	2,465,322,524
Interest due and accrued	35,573,835
Members contribution in transit	2,975,019
Accounts Receivable (Due from Commonwealth)	63,452,377
TOTAL ASSETS	\$2,567,413,663

STATE EMPLOYEES' RETIREMENT FUND

STATEMENT OF ACCOUNT BALANCES AS OF DECEMBER 31, 1978

Members' Savings Account	\$ 816,928,043
Annuity Reserve Account	1,352,941,417
State Police Benefit Account	139,803,045
Enforcement Officers Benefit Account	11,159,776
State Accumulation Account	334,090,286
Supplemental Annuity Account	(88,773,740)
Accounts payable (Miscellaneous Liability)	1,264,836
TOTAL ACCOUNT BALANCES AND MISCELLANEOUS LIABILITIES	\$2,567,413,663

STATE EMPLOYEES' RETIREMENT FUND

STATEMENT OF ACTUARIAL LIABILITIES AS OF DECEMBER 31, 1978

Present value of benefits payable on account of annuitants and beneficiaries from -
Annuity Reserve Account:
Superannuation \$1,045,601,681 Disability 66,818,016 Withdrawal 138,463,250
Sub-total\$1,250,882,947
Supplemental Annuities
Total \$1,324,267,382
State Police Benefit Account
Enforcement Officers Benefit Account
Total for annuitants and beneficiaries \$1,429,003,134
Present value of benefits to active and inactive members for -
Superannuation and withdrawal \$4,411,329,398 Disability 84,483,635 Death 322,554,649 Refunds 137,277,987
Total for active and inactive members \$4,955,645,669
Miscellaneous
TOTAL ACTUARIAL LIABILITIES

Liability related to present annuitants and beneficiaries ... \$1,429,003,134

A breakdown of the liability of \$1,429,003,134 related to present annuitants and beneficiaries according to the type of benefit payment is shown in the following table.

Category of Annuitants or Beneficiaries	Liability as of December 31, 1978 Total Annuity Reserve
Other Than State Police or Enforcement Officers	
Superannuation Disability Withdrawal	66,818,016
Sub-total	The state of the s
Supplemental Annuities	73,384,435
Total	\$1,324,267,382
State Police	96,568,128
Enforcement Officers	8,167,624
Total Liabilities	\$1,429,003,134

It is interesting to compare the above liabilities with the corresponding amounts shown in the statement of account balance on page 3. The liabilities of \$1,324,267,382 must be compared with the Annuity Reserve Account balance of \$1,352,941,417 indicating a surplus of \$28,674,035 in the Annuity Reserve Account. A transfer of this surplus amount should be made from the Annuity Reserve Account as of December 31, 1978 in order to bring the account into balance with the corresponding liability.

The required reserves for benefits payable to retired State Police or their beneficiaries amount to \$96,568,128. The corresponding account balance is \$139,803,045 which produces a balance of assets over liabilities of \$43,234,917. In prior years two accounts were maintained for State Police:

State Police Members' Annuity Reserve Account and State Police Benefit Account. Under Act 31 there is only one account, State Police Benefit Account. Reserves for annuitants are transferred to this account upon a member's re-

tirement. Special contributions for active members are also credited to this account. The balance of \$43,234,917 previously referred to is not a surplus but is a reserve for benefits payable to State Police members who are currently active or inactive.

The required reserves for benefits payable to retired Enforcement Officers and their beneficiaries amount to \$8,167,624. This reflects the reserves for both the members' portion and the State's portion as noted earlier in this report. The corresponding account balance is \$11,159,776 which produces a balance of assets over liabilities of \$2,992,152. One account, Enforcement Officers Benefit Account, is maintained under Act 31 for Enforcement Officers in the same manner as the State Police Benefit Account described above.

Liabilities for supplemental retirement allowances were created by Act 230, approved July 31, 1968, which also made provision for a Supplemental Retirement Allowance Account to receive the Commonwealth appropriations for supplemental and cost-of-living allowances. Act 31, approved March 1, 1974, made provision for additional supplemental allowances. When the liabilities for supplemental retirement allowances were created, corresponding funds were transferred to the Annuity Reserve Account. The transfer to the Annuity Reserve Account was charged to the Supplemental Annuity Account creating a deficiency in this account. As the Commonwealth appropriates moneys to fund supplemental retirement allowances, these amounts are credited to the Supplemental Annuity Account. The Supplemental Annuity Account shows a negative balance of \$88,773,740 as of December 31, 1978. The actuarial liabilities as of December 31, 1978 for Supplemental Annuities payable amount to \$73,384,435. This later amount represents the value as of December 31, 1978 of all supplemental annuities payable in the future as a result of Act 230 and Act 31 and is part of the total liability to be offset by the Annuity Reserve Account. The deficiency of \$88,773,740 in the Supplemental Annuity Account represents the unfunded portion of the original deficiency that existed in this account.

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In the data received from the Commonwealth we were furnished the amounts of supplemental annuities which became effective under Act 31, approved March 1, 1974 as well as the amounts of supplemental annuities which became effective under Act 230, approved July 1, 1968. Of the total liability of \$73,384,435 shown above for supplemental annuities, \$4,993,774 represents the liability for supplemental annuities which became effective in 1968 and \$68,390,661 represents the liability for supplemental annuities which became effective in 1974.

The number of present annuitants and beneficiaries and their annual annuities as of December 31, 1978 are shown in the following table. This information reflects the data supplied us by the Commonwealth.

		Annual Annu	itie	s as of D	ecember 31, 19	978
Category of Annuitants			Supplemental			Total
or Beneficiaries	Number	Basic		1968	1974	Annuity
Other Than State Police or Enforcement Officers						
Superannuation	33,096	\$108,430,836	\$	709,845	\$6,822,893	\$115,963,574
Disability	2,528	7,367,349		46,508	264,278	7,678,135
Withdrawal	4,808	12,363,902	-	1,625	614,198	12,979,725
Sub-total	40,432	\$128,162,087	\$	757,978	\$7,701,369	\$136,621,434
State Police	1,450	8,460,000		104,540	718,903	9,283,443
Enforcement Officers	115	846,018		4,480	55,453	905,951
Totals	<u>41,997</u>	\$137,468,105	\$	866,998	\$8,475,725	\$146,810,828

The age distributions of the annuitants and beneficiaries in the various kinds of retirement as supplied by the Commonwealth are shown in schedules at the end of this report, as listed in the Appendix.

Liability related to present active and inactive members \$4,955,645,669

The data related to the active and inactive members of the system as supplied by the Commonwealth are summarized briefly in the table below.

Active members:

	Male	Female	Total
Number		54,305 \$643,908,572	127,417 \$1,790,017,545

Inactive Members:

quent service.

There were 1,325 inactive members for whom a liability was calculated and included in the valuation results.

Miscellaneous <u>\$ 1,264,836</u>

The total actuarial liability represents the present value of all obligations of the System for all expected future benefits, both those related to service prior to December 31, 1978 and those related to subse-

A summary of the major benefit provisions and the provisions related to member contributions are shown in Schedule Q at the end of this report.

The actuarial assumptions used in this valuation are summarized in Schedule R at the end of this report. These are based on the experience of the Retirement System in 1971-1975 with interest assumed at $5\frac{1}{2}\%$ per annum.

PART II - REQUIRED TRANSFERS TO ADJUST ACCOUNT BALANCE

In discussing the various account balances in Part I, reference was made to a reserve transfer that should be made as of December 31, 1978 in order to bring the accounts into balance. A summary of the account balances and actuarial liabilities, along with the corresponding surplus or deficiency, is as follows:

Account Actuarial Surplus (+) or Balance Liability Deficiency (-)

Annuity Reserve Account ... \$1,352,941,417 \$1,324,267,382 (+)\$28,674,035

As previously mentioned in Part I, the adjustment to be made to the books to accord with the requirements of Act 31 of 1974 lead to the following transfer:

From To Amount

Annuity Reserve Account State Accumulation Account \$28,674,035

As result of this transfer the various account balances are as follows after adjustment:

	Adjusted Account Balance
Members' Annuity Savings Account	\$ 816,928,043 1,324,267,382
State Police Benefit Account Enforcement Officers Benefit Account	139,803,045 11,159,776
State Accumulation Account	362,764,321 (-) 88,773,740
Miscellaneous	1,264,836
Total Account Balances	\$2,567,413,663

These account balances are now ready for use in our actuarial balance sheet where they appear as "Present Assets" when compared with the actuarial liabilities. The actuarial balance sheet is presented on the following page.

ACTUARIAL BALANCE SHEET SHOWING PRESENT AND PROSPECTIVE ASSETS AND LIABILITIES of STATE EMPLOYEES' RETIREMENT SYSTEM as of DECEMBER 31, 1978

ASSETS

LIABILITIES

Present value of benefits payable on account of annuitants and beneficiaries from	Annuity Reserve Account: Superannuation \$ 1,045,601,681 Superannuation \$ 1,045,601,681 66,818,016 Disability 138,463,250 Withdrawal 138,463,250 Sub-total \$1,250,882,947 4,993,774 1974 68,390,661	Total \$1,3	State Police Benefit Account 96,568,128	Enforcement Officers Benefit Account 8,167,624	Total for annuitants and beneficiaries . \$1,429,003,134	Present value of benefits to active and inactive members for -	Superannuation and withdrawal \$ 4,411,329,398 bisability \$ 84,483,635 Beath \$ 322,554,649 Refunds \$ 137,277,987	24 Total for active and inactive members . \$4,955,645,669 19 Miscellaneous	63 TOTAL LIABILITIES
Present assets:	<u> </u>	Total present assets (book value) \$2,567,413,663*	Present value of future contributions Members' Savings Account (Fmolovee)	, ,	: :	Total future assets	*TOTAL ASSETS \$6,385,913,639 *Total present assets (book value) distributed as follows: \$89,908	Investments (net of amortization) 2,465,322,524 Interest due and accrued	Total present assets

1978 avets

PART III - CONTRIBUTION RATES

In the actuarial balance sheet submitted on page 10, the present assets of \$2,567,413,663, represented by the various account balances, are compared with the total liabilities of \$6,385,913,639. The difference of \$3,818,499,976 represents the future assets representing the present value of expected future member and employer contributions.

It will be noted that the present value of future employee contributions appears as \$876,624,411. In addition, the present value of the employer contributions to the State Accumulation Account is \$2,853,101,825 and to the Supplemental Annuity Account is \$88,773,740.

Section 5508(b) of the State Employees' Retirement Code states:

"The employer normal contribution rate shall be determined after each actuarial valuation on the basis of an annual five and one-half percent (5½%) interest rate and such mortality and other tables as shall be adopted by the board. Until all accrued liability contributions have been completed, the employer normal contribution rate shall be determined as a level percentage of the compensation of the average new active member, which percentage, if contributed on the basis of his prospective compensation throughout his entire period of active State service, would be sufficient to fund the liability for any prospective benefit payable to him, except a supplemental benefit as provided in Section 5708, in excess of that portion funded by his prospective member contributions. After all accrued liability contributions have been completed, the employer normal contribution rate shall be determined by deducting from the

present value of the liabilities for all prospective benefits, except supplemental benefits as provided in Section 5708, the sum of the total assets in the fund on the valuation date, excluding the balance in the supplemental annuity account, and the present value of prospective member contributions, and dividing the remainder by the present value of the future compensation of all active members."

Since accrued liability contributions have not been completed, we determined the employer normal contribution rate in accordance with the above provisions. We first obtained the normal contribution rate, as a level percentage of compensation, which would be required for new active members to fund the liability for any prospective benefit payable to such new members. In making this contribution we used data for all active members who had not yet completed one year of credited service. Using the entry age normal cost method, the normal cost contribution, expressed as a level percentage of future compensation of new employees, was determined as follows:

Benefit	Normal Cost as a Percent of Payroll for Active Members
Superannuation and Withdrawal	8.79%
Disability	0.20
Death	0.48
Refunds	1.51
Total normal cost percentage	10.98%

Section 5508(b) made reference to the normal contribution rate for prospective benefits in excess of that portion funded by the members' contributions. In determining what benefits are provided by a member's contributions as contrasted to the employer's contribution, it should be kept in mind that if a member withdraws before he has a non-forfeitable right to a benefit under the plan, his contributions are withdrawable. The corresponding employer contri-

butions made for such terminating employee remain in the fund. Thus, while all Class A members contribute five percent of pay, the present value of such future contributions is not as great as a corresponding contribution of five percent of total payroll by the employer. Therefore, in determining what benefits are provided by future member contributions, it is necessary to reduce such contribution rate by the value of the refunds which will be made to the withdrawing participants. This was determined to be 1.51% of payroll as indicated in the above table of normal cost percentages. Deducting this refund value of 1.51% of future compensation from the total contribution rate of 5% leaves a balance of 3.49% as the effective percentage of compensation which will be available as member contributions to provide benefits to a new participant. Deducting this effective net contribution of 3.49% from the total normal cost percentage of 10.98% shown above, leaves a balance of 7.49% as the employer normal contribution rate contemplated under Section 5508(b) of the State Employees Retirement Code.

As shown in the balance sheet on page 10, the present value of future employer contributions (i.e. future contributions to the State Accumulation Account) is \$2,853,101,825. Part of this represents the present value of future employer normal cost contributions, and part of this represents the value of future contributions to fund the unfunded accrued liability. This breakdown is shown below:

The present value of future contributions to fund the unfunded accrued liability of \$1,705,333,187 is the present unfunded accrued liability since the present value of all future contributions for this purpose must be equal to this liability.

The unfunded accrued liability of \$1,705,333,187 is composed of two parts: one part is to be funded over 30 years from July 1, 1969 and the other part over 30 years from July 1, 1974. The two parts and the amount required to fund each over the applicable period allowing for annual salary increases of 4% are as follows:

Funding Period:	Amount of	Annual Payment	to Fund
30 Years from July 1	Liability	Amount	Percent*
1969	\$1,216,248,751	\$71,717,009	3.80%
1974	489,084,436	23,982,957	1.27
	\$1,705,333,187	\$95,699,966	5.07%

*Payment for 1979 expressed as a percentage of the estimated total payroll for active members in 1979 of \$1,888,584,258.

The accrued liability for supplemental allowances is also composed of two parts: one part is to be funded over 20 years from July 1, 1969 and the other part over 20 years from July 1, 1974 on the basis of level payments for each part. This may be summarized as follows:

Funding Period:	Amount of	Annual Payment	t to Fund
20 Years from July 1	Liability	Amount	Percent*
1969	\$ 5,621,171	\$ 719,188	0.04%
1974	83,152,569	8,112,446	0.43
	\$ 88,773,740	\$ 8,831,634	0.47%

*Payment for 1979 expressed as a percentage of the estimated total payroll for active members in 1979.

Section 5508(d) provides in part that, in addition to determining the contributions required for other members of the Retirement System "...The actuary shall determine the Commonwealth or other employer contributions required for active members of Class C and officers of the Pennsylvania State Police and enforcement officers and investigators of the Pennsylvania Liquor Control Board who are members of Class A to finance their benefits in excess of those to which other members of Class A are entitled. Such additional contributions shall be determined separately for officers and employees of the Pennsylvania State Police and for enforcement officers and investigators of the Pennsylvania Liquor Control Board."

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As noted earlier in this report, the amounts currently carried in the State Police Benefit Account and the Enforcement Officers' Benefit Account exceed the liability for pensioners and beneficiaries corresponding to these two accounts. Thus, assets are currently on hand to meet at least part of the liability for the special benefit payable to these two categories of participants. The liability for the special benefit in excess of the assets on hand was expressed as a percentage of the future compensation of the two groups involved in order to determine the extra contribution to be made. In view of the assets held in the Enforcement Officers' Benefit Account in comparison to liabilities, it is recommended that no special contribution be made for enforcement officers. For State Police, the liability for special benefits in excess of assets currently on hand was expressed as a percent of payroll for State Police. This percent was found to be 3.25%. It should be pointed out that, in the past, the extra contribution for State Police and Enforcement Officers was expressed as a percentage of total payroll of all participants covered under the plan. The percentage contribution previously mentioned is to be applied to the total payroll for State Police only and not the total payroll of all covered participants under the plan.

The cost discussed above, excluding the special contribution to be made for State Police, expressed as a percentage of the total payroll of all active covered participants may be summarized as follows:

Total Normal Cost	10.98%
Member Deductions	3.49
Employer portion of Normal Costs	7.49%
Payment on Unfunded Accrued Liability	
other than for Supplemental Allowances	5.07
Payment on Unfunded Accrued Liability	
for Supplemental Allowances	0.47
Total Employer Contribution Rate	13.03%

PART IV - SUMMARY

In Part I of the report, we presented the statements of assets, account balances and actuarial liabilities as of December 31, 1978. The actuarial liabilities were discussed in some detail.

In Part II, we discussed the surplus or deficiency in each account and recommended a transfer as of December 31, 1978 in order to bring the Annuity Reserve Account into balance with the actuarial liability. This transfer is as follows:

<u>From</u> <u>To</u>

Annuity Reserve Account State Accumulation Account \$28,674,035

Using this adjusted account balance we developed an actuarial balance sheet in which we compared the present assets and the future assets with the total actuarial liability, with the future assets serving as the balancing item.

In Part III, we developed the following rates of employer contribution to the Retirement Fund:

> Total employer contribution rate <u>13.03%</u>

The total unfunded accrued liability as of December 31, 1978 is \$1,705,333,187.

The special contribution for State Police was found to be 3.25% of the total payroll for State Police.

Shown below is a sumary of the number of active participants together with their total salaries that have been used in the last four valuations. The average salary is also shown for each of these four years.

				As of Dece	ember .	31,		
	19	78		L977		1976		1975
Number		127,417		126,831		128,675		129,396
Total salaries	\$1,790,	017,545	\$1,729	,237,182	\$1,6	27,627,072	\$1,4	74,081,506
Average salary	\$	14,048	\$	13,634	\$	12,649	\$	11,392

The following schedules of the membership as of December 31, 1978 are supporting schedules to the valuation because it was upon this membership that the liabilities were calculated. The schedules show the distribution of the membership by age nearest birthday as of December 31, 1978, separated according to whether or not they are contributors or annuitants. The schedules also show the annual salaries in the case of active members and the total amounts of annuities in the case of annuitants.

In <u>Schedule A</u> are shown, according to age nearest birthday and class of membership, the total number and annual salary of the male members still remaining in active membership. At the end of the schedule, their average age and average annual salary is shown.

In <u>Schedule B</u> are shown, according to age nearest birthday and class of membership, the total number and annual salary of the female members still remaining in active membership. At the end of the schedule, their average age and average salary is shown.

In <u>Schedule C</u> is shown a summary of the two preceding schedules, including the total number of active members and the total annual salaries both by sex and by class. Due to two new changes, a summary is given of Class A by category. One change is that all recently hired members will be put into Class A. Second, the categories take over the function of the old classes.

In <u>Schedule D</u> are shown, according to age nearest birthday, the number of male members who are receiving superannuation annuities and the total amounts of the basic monthly benefits and supplemental monthly benefits.

In Schedule \underline{E} are shown, according to age nearest birthday, the number and amount of the basic monthly benefits and supplemental monthly benefits being paid to surviving male beneficiaries of superannuation annuitants.

In <u>Schedule F</u> are shown, according to age nearest birthday, the number of female members who are receiving superannuation annuities and the total amounts of the basic monthly benefits and supplemental monthly benefits.

In <u>Schedule G</u> are shown, according to age nearest birthday, the number and amount of the basic monthly benefits and supplemental monthly benefits being paid to surviving female beneficiaries of superannuation annuitants.

In <u>Schedule H</u> are shown, according to age nearest birthday, the number of male members who are receiving disability annuities and the total amounts of members' basic monthly benefits and supplemental monthly benefits.

In <u>Schedule I</u> are shown, according to age nearest birthday, the number of female members who are receiving disability annuities and the total amounts of members' basic monthly benefits and supplemental monthly benefits.

In <u>Schedule J</u> are shown, according to sex and age nearest birthday, the number and amount of both the basic monthly benefit and supplemental monthly benefit being paid to surviving beneficiaries of the disabled annuitants.

In Schedule K are shown, according to age nearest birthday, the number of male members who are receiving withdrawal annuities and the total amount of the basic monthly benefit and supplemental monthly benefit.

In <u>Schedule L</u> are shown, according to age nearest birthday, the number and amount of the basic monthly benefit and supplemental monthly benefit being paid to surviving male beneficiaries of the withdrawal annuitants.

In <u>Schedule M</u> are shown, according to age nearest birthday, the number of female members who are receiving withdrawal annuities and the total amount of the basic monthly benefit and supplemental monthly benefit.

In $\underline{\text{Schedule N}}$ are shown, according to age nearest birthday, the number and amount of the basic monthly benefit and supplemental monthly benefit being paid to surviving female beneficiaries of the withdrawal annuitants.

In <u>Schedule 0</u> is shown, the summary of all annuities outstanding as of December 31, 1978 whether superannuation, disability, withdrawal or supplemental and whether being paid to members or their survivors.

In <u>Schedule P</u> is shown, for comparison, the outstanding membership both active and annuitant as of December 31, 1975, December 31, 1976,

December 31, 1977 and December 31, 1978.

In <u>Schedule Q</u>, the benefits and member contributions and provisions of the plan as of December 31, 1978 are summarized.

The actuarial assumptions used in this valuation are shown in Schedule $\ensuremath{\mathtt{R}}.$

ACTIVE MEMBERSHIP as of December 31, 1978

MALE

GRAND TOTAL Annual Salary	17,660 107,902 831,801 1,691,832 2,766,104 4,534,550 6,727,964 9,437,682	13,287,751 16,903,721 18,840,893 21,117,607 27,239,168	31,670,957 36,839,530 44,217,512 30,616,256 28,711,013	30,898,119 34,935,821 28,440,044 27,271,151 26,359,366	25,905,772 25,340,801 24,243,666 25,293,564 26,445,513
GRANI No.	23 23 121 209 318 505 702 939	1,246 1,492 1,575 1,702 2,080	2,278 2,559 2,913 1,986 1,822	1,909 2,108 1,707 1,606 1,511	1,492 1,459 1,405 1,436 1,487
E Annual Salary		*	53,559 19,500 -	48,213 39,000 39,000 -	51,646 132,930 94,868 190,001 174,786
			\$ III	4 - 2 - 3	68563
D Annual Salary No.			\$ 15,600 46,800 - 62,400	15,600 31,200 62,400 62,400	62,400 31,200 31,200 62,400 31,200
No.			16141	1 7 7 7 7	40040
C Amual Salary		\$ 514,076 951,748	2,479,200 4,148,083 7,130,426 4,906,890 4,668,461	5,176,131 4,945,109 3,657,909 3,481,050 3,004,505	2,294,140 1,736,102 1,715,566 1,422,615 1,494,642
No.		27 50	129 215 368 254 241	266 252 185 176 150	11.3 87 83 68 71
A & B Annual Salary	\$ 17,660 107,902 831,801 1,691,832 2,766,104 4,534,550 6,727,964 9,437,682	13,287,751 16,903,721 18,840,893 20,603,531 26,287,420	29,176,157 32,591,088 37,067,586 25,646,966 24,023,118	25, 673, 775 29, 936, 112 24, 711, 935 23, 727, 701 23, 192, 836	23,497,586 23,440,569 22,402,032 23,618,548 24,744,885
No.	23 121 209 318 505 702 939	1,246 1,492 1,575 1,675 2,030	2,148 2,338 2,544 1,728 1,580	1,640 1,853 1,518 1,426 1,353	1,372 1,364 1,315 1,356 1,408
CLASS	17 18 19 20 21 22 23 24	25 26 27 28 29	30 31 32 33 34	35 36 37 38 39	40 41 42 43 44

ACTIVE MEMBERSHIP as of December 31, 1978

MALE

GRAND TOTAL Annual	Salary	\$ 25,318,107	26,348,569	28,199,256	30,468,564	29,282,835	27,730,462	32,145,695	29,550,293	31,769,472	31,630,921	31,514,582	31,253,754	29,358,494	28,944,172	27,457,531	23,503,813	22,288,618	20,391,402	15,335,595	13,427,756	11,481,571	6,287,901	4,901,296	3,531,130	2,790,230
GR	No.	1,449	1,480	1,595	1,719	1,666	1,596	1,868	1,733	1,849	1,851	1,861	1,869	1,772	1,747	1,703	1,503	1,433	1,332	992	865	730	395	322	233	179
E Annual	Salary	\$ 91,752	325,098	493,912	300,314	286,559	505,945	692,721	489,981	563,574	756,962	559,104	549,491	461,163	860,602	669,131	430,779	531,711	549,008	641,826	579,524	266,738	619,520	236,452	361,573	379,760
	No.	4	8	18	6	10	16	22	18	20	27	20	20	15	28	20	17	19	19	19	18	10	20	10	13	12
D Annual	Salary	\$ 31,200	31,200	109,200	46,800	63,166	46,800	78,000	93,600	31,200	93,600	62,400	156,000	128,793	46,800	78,000	123,000	62,400	78,000	15,600	62,400	46,800	ı	62,400	1	77,400
	No.	2	7	7	Э	5	3	2	9	2	9	4	10	8	m	5	9	4	2	Н	4	3	ı	4	ı	5
C Annual	Salary	\$ 1,035,748	791,749	1,022,422	1,487,499	964,070	875,853	1,101,999	1,157,101	1,056,221	1,014,225	804,478	662,827	391,642	318,972	226,910	176,533	ı	56,483	1	1	45,984				
	No.	64	36	48	<i>L</i> 9	44	39	48	52	94	43	36	29	18	15	10	7	1	7	i	1	2				
A & B Annual	Salary	\$ 24,159,407	25,200,522	26,573,722	28,633,951	27,969,040	26,301,864	30,272,975	27,809,611	30,118,477	29,766,134	30,088,600	29,885,446	28,376,896	27,717,798	26,483,490	773,	21,694,507	119,707,911	14,678,169	12,785,832	125,	5,668,381	4,602,444	3,169,557	2,333,070
	No.	1,394	1,434	1,522	1,640	1,607	1,538	1,793	1,657	1,781	1,775	1,801	1,810	1,731	1,701	1,668	1,473	1,410	1,304	972	843	715	375	308	220	162
CLASS	Age	45	94	47	48	65	50	51	52	53	54	55	26	57	58	59	09	61	62	63	99	65	99	29	89	69

ACTIVE MEMBERSHIP as of December 31, 1978

MALE

Charles Annual Annu	GRAND TOTAL Annual	Salary	2,430,887	1,698,912	1,240,564	957,823	702,173	656,873	264,805	592,834	186,736	1,036,490	219,800	109,934	93,453	73,789	48,527	56,501	10,752	22,371		\$1,146,108,973			
GLASS A & B C D Annual Annual Age No. Salary No. Salary No. Salary 70 138 2,186,990 3 46,800 6 \$ 71 111 1,698,912 3 46,800 6 \$ 72 1,128,904 3 46,800 6 \$ 73 67 1,138,732 1 \$ 957 76 21 264,805 1 \$ 957 76 21 264,805 1 \$ 957 76 21 264,805 1 \$ 957 1 76 21 264,805 1 \$ 957 1 80 19 1,09,934 8 8 1 109,934 8 81 6 73,789 8 6 73,789 8 8 8 8 8 8 8 8	GRAND	No.		111	74	29	48	44	21	36	15	168	19	9	5	9	2	3	1	3				43.61	\$15,676
Age Annual Annual Annual Annual Age No. Salary No.	E Annual	Salary		1	112,500	ı	1	55,000													1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$13,530,359	,	<u>a</u>	<u>867</u>
Age Annual Annual <td></td> <td>No.</td> <td>9</td> <td>1</td> <td>2</td> <td>1</td> <td>ı</td> <td>1</td> <td></td> <td>,</td> <td>465</td> <td>i.</td> <td>32.6</td> <td>\$29,0</td>		No.	9	1	2	1	ı	1													,	465	i.	32.6	\$29,0
CLASS A & B Annual C Age No. Salary Salary No. Salary Salary No. Salary	D Annual	Salary																				\$2,186,359	č	157	729
CIASS A & B Annual C Annual Age No. Salary No. Salary 70 138 \$ 2,186,990 No. Salary 70 138 \$ 2,186,990 Salary No. Salary 70 138 \$ 2,186,990 Salary No. Salary 70 138 \$ 2,186,990 Salary No. Salary 70 131 \$ 1,128,064 Salary		No.	3																			139	5	•7C	\$15,
CLASS A & B Annual No. Salary No No Salary No No </td <td>C Annual</td> <td>Salary</td> <td></td> <td>\$66,915,326</td> <td></td> <td>08</td> <td>101</td>	C Annual	Salary																				\$66,915,326		08	101
CLASS A & B Appendent Appendent Abee No. Sal 70 138 \$ 2, 71 111 1, 72 72 1, 73 67 1, 74 48 2, 75 43 1, 76 21 1, 77 35 1, 80 19 1, 81 6 6 82 5 8 84 2 8 84 2 8 84 2 8 84 2 8 86 1 8 88 1 8 88 3 4 Average 43.77 Average 515.372 Average 515.372		No.								Н												3,329	C	78.	\$20,
Age No. Age No. 70 1 72 73 74 75 76 77 78 79 1 80 81 82 83 84 84 85 86 88 87 86 88 88 86 88 Average Average Salary	A & B Annual	Salary		1,698,912	1,128,064	957,823	702,173	601,873	264,805	591,877	186,736	1,036,490	219,800	109,934	93,453	73,789	48,527	56,501	10,752	22,371		\$1,063,476,929		77	372
		No.	138	111	72	29	48	43	21	35	15	1.68	19	9	5	9	2	3	П	3		69,176		43.	\$15,
	CLASS	Age	70	7.1	72	73	74	75	9/	77	78	79				83	84	85	98	88	1	Totals	Average	Age	Average Salary

SCHEDULE A (3)

ACTIVE MEMBERSHIP as of December 31, 1978

FEMALE

GRAND TOTAL	Annual Salary	\$ 488,582 2,193,356	4,523,152 6,650,315	9,291,561	16,278,393	19,347,359	21,233,077	21,220,758	20,344,122	19,484,645	18,485,045	18,466,659	18,951,778	12,752,375	11,644,147	12,144,307	13,408,176	10,902,127	11,147,238	11,185,430	11,984,907	11,593,485	11,884,157	10,966,788	12,625,023
GR	No.	88 283	545 759	1,033	1,645	1,869	1,989	1,937	1,813	1,666	1,577	1,544	1,543	1,044	944	666	1,094	968	684	902	959	915	946	886	1,000
I	Annual Salary												\$ 15,612							13,268		12,102	34,741	19,500	19,500
	No.												Н	1		1	1	ı	ı	1	ı	Н	7	Н	4
	Annual Salary N									AND THE PROPERTY OF THE PROPER															15,600
	1																								1 \$
11	No.																								
	Annual Salary								18,912	112,736	18,648	37,542	56,872	31,962	37,260	ı	í	ı	ı	l	32,412	13,281	I	1	12,229
S	7 "]							,	s																
	No.								٦,	9	H	2	3	7	2	i	1	í	1	i	2	П	1	ı	П
. В	Annual Salary	488,582 2,193,356	4,523,152 6,650,315	9,291,561	16,278,393	19,347,359	21,233,077	21,220,758	325,	19, 371, 909	18,466,397	18,429,117	18,879,294	12,720,413	11,606,887	12,144,307	13,408,176	10,902,127	11,147,238	11,172,162	11,952,495	11,568,102	11,849,416	10,947,288	12,577,694
Αδ		s>																							
	No.	88 283	545 759	1,033	1,505	1,869	1,989	1,937	1,812	1,660	1,576	1,542	1,539	1,042	945	666	1,094	968	884	901	957	913	576	885	997
CLASS	Age	18	20 21	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

ACTIVE MEMBERSHIP as of December 31, 1978

FEMALE

GRAND TOTAL	Annual Salary	\$ 11,414,496	12,650,113	13,028,040	13,947,216	13,872,461	14,322,597	15,870,116	16,359,623	16,300,676	16,449,634	17,721,035	16,501,312	16,077,074	16,592,163	16,262,395	13,726,781	11,107,793	9,708,042	7,952,257	6,144,826	5,086,731	3,154,904	2,022,996	1,798,105	1,028,368
GR/	No.	910	1,012	1,038	1,117	1,119	1,136	1,265	1,285	1,292	1,308	1,394	1,290	1,278	1,278	1,282	1,092	892	782	629	499	397	246	171	144	87
I	Annual Salary	19,500	62,754	44,253	34,970	53,434	97,804	68,436	65,270	20,960	162,934	88,208	19,500	33,762	15,492	50,716	109,500	18,599	ı	10,918	1	74,890	135,725	39,000	10,672	
	No.	1	2	3	2	3	4	4	4	3	6	4	Н	2	Н	3	3	Н	ı	П	1	3	9	2	Н	
D	Annual Salary N	I	ı	ı	1	\$ 15,600	1	ı	1	15,600	1	1	1	1	1	1	15,600	ı	i	15,600	1	15,600	1	1	15,600	
	No.	1	ı	1	1	1	ı	1	ı	П	3	1	1	ı	1	ı	Н	i	1	1	i	1	i	ì	Н	
D D	Annual Salary	\$ 51,168		ı	14,418	17,994	1	1	1	ı	26,143	1	13,875	ı	1	16,456	25,433									
	No.	m	ı	1	Н	1	1	1	1	1	2	ı	러	1	ı	1	2									
A & B	Annual Salary	\$ 11,343,828		12,983,787	13,897,828	13,785,433	14,224,793	15,801,680	16,294,353	16,234,116	16,260,557	17,632,827	16,467,937	16,043,312	16,576,671	16,195,223	13,576,248	11,089,194	9,708,042	7,925,739	6,144,826	4,996,241	3,019,179	1,983,996	1,771,833	1,028,368
	No.	906	1,010	1,035	1,114	1,114	1,132	1,261	1,281	1,287	1,297	1,390	1,288	1,276	1,277	1,278	1,086	891	782	627	499	393	240	169	142	87
CLASS	Age	45	94	47	48	49	50	51	52	53	54	55	26	57	58	59	09	61	62	63	99	65	99	29	89	69

ACTIVE MEMBERSHIP as of December 31, 1978

FEMALE

GRAND TOTAL	Annual	\$ 636,180 721,744 562,833 218,569 241,855		3 16,376 3 24,749 2 31,481 1 3,662 1 3,847 1 10,755	\$ 643,908,572 41.17	\$11,857
	No.	56 60 52 22 23	14 24 14 10 12		54,305	
E	Annual Salary				\$ 1,382,020	\$19,743
	No.				70	
D	Annual Salary				\$ 109,200	\$15,600
	No.				7	
O.	Annual Salary				\$ 537,341	\$16,792
	No.				32	
АδВ	Annual Salary	636,180 721,744 562,833 218,569 241,855	160,273 168,173 140,742 81,854 123,434	16, 376 24, 749 31, 481 3, 662 3, 847 10, 755	\$ 641,880,011	44
A	1	\$ 25 0 0	14 24 14 10	1 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	41	\$11,844
	No.	56 60 52 22 23	14 24 14 10 10		54,196	
CLASS	Age	70 71 72 73	75 76 77 87	80 81 82 83 84 84 86	Totals Average Age	Average Salary

SCHEDULE B (3)

SUMMARY OF ACTIVE MEMBERS as of DECEMBER 31, 1978

Average Annual Salary	\$15,676 11,857 \$14,048	\$13,823 20,069 15,723 27,874	\$14,048	\$13,717 16,356 15,963 28,771	\$13,823
Average Age	43.61 41.17 42.57	42.62 38.09 52.49 55.70	42.57	42.66 40.51 44.14 49.23	42.62
Annual Salary	\$1,146,108,973 643,908,542 \$1,790,017,545	\$1,705,356,940 67,452,667 2,295,559 14,912,379	\$1,790,017,545	\$1,642,767,299 52,959,535 1,372,800 8,257,306	\$1,705,356,940
Number	73,112 54,305 127,417	123,375 3,361 146 535	127,417	3,238 3,238 86 287	123,375
	By Sex Male Female Total	By Class A & B C	Class A by Category	0 1, 5, 6	Total

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1978

MALE MEMBERS

Age Number Benefit 1968 1974 on 1968 1974 36 1 \$ 82.94 \$ 30.08 \$ 30.08 50 1 551.17 — — 51 19 15,774.36 — — 52 29 22,593.86 — — 53 41 34,461.98 — 4.29 54 48 36,182.21 — 4.29 55 50 39,311.18 — 261.05 56 66 52,260.10 515.75 57 74 53,061.37 340.82 58 79 63,614.31 — 515.24 59 82 65,310.70 1,296.10 61 238 145,806.41 — 1,296.10 60 60 41,767.06 807.12 1,504.63 63 717 313,498.49 \$6.74 \$20.03 3,153.38 64 963 399,394.17 2259.74 77.93 4,121.57 65 1,66			Basic Monthly	Supp1	emental Monthly	Benefits
36 1 \$ 82.94 48 2 372.08 \$ 30.08 50 1 551.17 - 51 19 15,774.36 - 52 29 22,593.86 - - 53 41 34,461.98 11.58 54 48 36,182.21 4.29 55 50 39,311.18 261.05 56 66 52,260.10 515.57 57 74 53,061.37 340.82 58 79 63,614.31 515.57 57 74 53,061.37 340.82 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,224.10 62 411 222,621.95 66.74 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 39	Age	Number				
48 2 372.08 \$ 30.08 50 1 551.17 — 51 19 15,774.36 — 52 29 22,593.86 — 53 41 34,461.98 11.58 54 48 36,182.21 4.29 55 50 39,311.18 261.05 56 66 62,260.10 515.57 57 74 53,061.37 340.82 58 79 63,614.31 515.24 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 \$ 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66	6-					
48 2 372.08 \$ 30.08 50 1 551.17 — 51 19 15,774.36 — 52 29 22,593.86 — 53 41 34,461.98 11.58 54 48 36,182.21 4.29 55 50 39,311.18 261.05 56 66 62,260.10 515.57 57 74 53,061.37 340.82 58 79 63,614.31 515.24 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 \$ 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66	36	1	\$ 82.94			
50 1 551.17 - 51 19 15,774.36 - 52 29 22,593.86 - 53 41 34,461.98 11.58 54 48 36,182.21 4.29 55 50 39,311.18 261.05 56 66 52,260.10 515.57 74 53,061.37 340.82 58 79 63,614.31 515.24 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 63.717 313,498.49 \$ 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341		2				\$ 30.08
51 19 15,774,36 - 52 29 22,593,86 - 53 41 34,461,98 11.58 54 48 36,182,21 4.29 55 50 39,311.18 261.05 56 66 52,260.10 515.57 57 74 53,061.37 340.82 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 \$66.74 \$20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 6		1				-
52 29 22,593,86 - 53 41 34,461,98 11.58 54 48 36,182,21 4.29 55 50 39,311,18 261,05 56 66 52,260,10 515,57 57 74 53,061,37 340,82 58 79 63,614,31 515,24 59 82 65,310,70 1,296,10 60 60 41,767.06 807,12 61 238 145,806,41 1,284,10 62 411 222,621,95 7 7,793 4,121,57 63 717 313,498,49 \$66,74 \$20,03 3,153,38 64 963 399,394,17 259,74 77,93 4,121,57 65 1,066 397,320,44 540,51 162,17 6,383,35 66 1,364 462,215,19 349,15 104,74 7,083,74 67 1,31 453,730,88 673,43 202,04						-
53 41 34,461.98 4.29 54 48 36,182.21 4.29 55 50 39,311.18 261.05 56 66 652,260.10 515.57 57 74 53,061.37 340.82 58 79 63,614.31 515.24 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 66.74 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>						-
54 48 36,182.21 4.29 55 50 39,311.18 261.05 56 66 52,260.10 515.57 57 74 53,061.37 340.82 58 79 63,614.31 515.24 60 60 41,767.06 807.12 61 238 145,806.41 1,296.10 62 411 222,621.95 1,504.63 63 717 313,498.49 \$ 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16						11.58
55 50 39,311.18 261.05 56 66 52,260.10 515.57 57 74 53,061.37 340.82 58 79 63,614.31 515.24 59 82 65,310.70 1,296.10 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124						
56 66 52,260.10 515.57 57 74 53,061.37 340.82 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 66.74 \$ 20.03 3,155.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 426,573.88 673.43 202.04 17,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,15						261.05
57 74 53,061.37 340.82 58 79 63,614.31 515.24 59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,344 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 15,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>515.57</td></td<>						515.57
58 79 63,614,31 515,24 59 82 65,310,70 1,296,10 60 60 41,767,06 807,12 61 238 145,806,41 1,284,10 62 411 222,621,95 1,504,63 63 71,7 313,498,49 \$ 66,74 \$ 20,03 3,153,38 64 963 399,394,17 259,74 77,93 4,121,57 65 1,066 397,320,44 540,51 162,17 6,383,35 66 1,364 462,215,19 349,15 104,74 7,083,74 67 1,341 453,730,10 492,89 147,87 9,263,60 68 1,418 426,573,88 673,43 202,04 13,748,67 69 1,411 428,342,71 385,05 115,52 16,471,16 70 1,205 351,375,01 578,91 173,67 20,783,86 71 1,209 359,745,53 414,15 124,25 27,129,25 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>340.82</td></t<>						340.82
59 82 65,310.70 1,296.10 60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142						515.24
60 60 41,767.06 807.12 61 238 145,806.41 1,284.10 62 411 222,621.95 1,504.63 63 717 313,498.49 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,8						1,296.10
61						807.12
62 411 222,621.95						1,284.10
63 717 313,498.49 \$ 66.74 \$ 20.03 3,153.38 64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 4821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,333.67 88 1 246 46,112.77 2,559.13 767.78 10,906.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 89 18,499.21 2,784.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 89 18,499.21 2,174.27 652.27 4,739.89 88 18,490.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14						1,504.63
64 963 399,394.17 259.74 77.93 4,121.57 65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98<				\$ 66.74	\$ 20.03	3,153.38
65 1,066 397,320.44 540.51 162.17 6,383.35 66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883						
66 1,364 462,215.19 349.15 104.74 7,083.74 67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,001.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14						6,383.35
67 1,341 453,730.10 492.89 147.87 9,263.60 68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,56						7,083.74
68 1,418 426,573.88 673.43 202.04 13,748.67 69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,72						9,263.60
69 1,411 428,342.71 385.05 115.52 16,471.16 70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112					202.04	13,748.67
70 1,205 351,375.01 578.91 173.67 20,783.86 71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168.691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,061.61 83 183 34,967.						
71 1,209 359,745.53 414.15 124.25 27,129.25 72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.1					173.67	20,783.86
72 1,115 291,247.26 476.07 142.85 26,404.61 73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>27,129.25</td></td<>						27,129.25
73 993 260,343.59 889.18 266.80 27,027.47 74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 <td></td> <td></td> <td></td> <td>476.07</td> <td>142.85</td> <td>26,404.61</td>				476.07	142.85	26,404.61
74 821 207,805.74 1,423.40 427.01 27,799.97 75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 <td></td> <td></td> <td></td> <td>889.18</td> <td>266.80</td> <td>27,027.47</td>				889.18	266.80	27,027.47
75 691 168,691.13 1,375.28 412.58 25,088.93 76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21				1,423.40	427.01	27,799.97
76 676 156,906.98 1,891.50 566.80 27,461.96 77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27				1,375.28	412.58	
77 509 121,883.70 2,352.71 705.93 22,295.69 78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54					566.80	27,461.96
78 449 114,483.25 2,046.03 613.91 20,451.59 79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 <t< td=""><td></td><td></td><td></td><td>2,352.71</td><td>705.93</td><td></td></t<>				2,352.71	705.93	
79 369 73,566.14 2,547.09 764.20 16,353.67 80 335 77,727.67 2,709.37 811.68 15,815.35 81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 <td></td> <td>449</td> <td>114,483.25</td> <td>2,046.03</td> <td>613.91</td> <td></td>		449	114,483.25	2,046.03	613.91	
81 246 46,112.77 2,559.13 767.78 10,900.63 82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14		369		2,547.09	764.20	
82 212 44,760.06 2,422.66 726.85 10,061.61 83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	80	335	77,727.67	2,709.37	811.68	15,815.35
83 183 34,967.12 2,784.11 835.32 8,265.08 84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	81	246	46,112.77	2,559.13		
84 170 32,801.26 3,038.60 911.70 7,458.36 85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	82	212	44,760.06	2,422.66	726.85	
85 133 27,248.21 2,669.23 799.71 6,360.20 86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	83	183	34,967.12	2,784.11	835.32	1,500
86 108 27,261.90 2,144.75 643.43 5,324.52 87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	84	170	32,801.26	3,038.60	911.70	
87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	85	133	27,248.21	2,669.23	799.71	
87 89 18,499.21 2,174.27 652.27 4,739.89 88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	86	108	27,261.90	2,144.75	643.43	
88 57 12,441.27 1,444.61 433.40 2,768.88 89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14					652.27	
89 34 8,940.54 792.25 237.70 2,233.63 90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14				1,444.61		
90 26 5,257.81 440.40 120.12 832.52 91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14				792.25		
91 26 3,953.49 688.09 206.42 939.46 92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14			5,257.81	440.40		
92 15 2,362.68 653.40 196.03 682.54 93 12 1,567.13 443.99 133.21 470.14	91	26	3,953.49	688.09		
93 12 1,567.13 443.99 133.21 470.14				653.40		
			1,567.13	443.99		
			1,085.35	269.31	80.79	280.17

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1978

MALE MEMBERS

		Basic Monthly		Supp1	ementa	1 Monthly	Benefi	ts
Age	Number	Benefit	State	1968	1974	on 1968		1974
95	4	\$ 978.75	\$	64.43	\$	19.33	\$	180.56
96	5	516.23		80.58		24.18		154.89
97	1	32.85		-		-		9.86
98	3	2,404.52		217.30		65.19		721.35
99	3	504.46		77.94		23.39		162.15
100	1	39.06		5.78		1.73		11.72
101	1	36.00		12.75		3.83		10.80
103	1	732.09		59.52		17.86		219.63
105	1	133.92	_	21.28		6.38		40.18
Total	19,191	\$ 6,131,295.34	\$4	42,495.58	\$12	.746.60	\$38	6,237.17

MALES

12 1 \$ 198.34 16 1 184.66 19 1 184.66 20 1 341.26 23 1 179.58 27 1 495.20 28 3 783.92 29 1 141.57 30 2 805.54 32 1 303.05 33 2 751.64 \$ 31.56 34 1 91.93 0 36 1 394.19 0 36 1 394.19 0 37 2 191.35 0 38 4 554.37 0 40 3 620.06 23.45 41 1 114.87 0 42 3 408.82 0 46 2 626.40 0 47 2 365.43 0 49 1 623.36 0 50 2 189.33 0 55 1	Age	Number	Basic Monthly Benefit	Supplemental Monthly Benefit 1974
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73 2 221.04 19.49 74 1 37.98 0 75 3 337.27 38.61 76 5 883.81 88.92 77 1 194.04 0 79 2 420.24 0		3	1.261.09	
74 1 37.98 0 75 3 337.27 38.61 76 5 883.81 88.92 77 1 194.04 0 79 2 420.24 0		2	221.04	
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77 1 194.04 0 79 2 420.24 0		5		
79 2 420.24 0		1		
	79	2	420.24	

SCHEDULE E(1)

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1978

MALES

Age	Number	Basic Monthly Benefit	Supplemental Monthly Benefit 1974
80	1	\$ 63.73	0
81	5	1,405.20	0
82	2	82.81	\$ 9.71
83	2	242.84	61.50
84	1	86.31	0
86	1	157.13	47.13
105	1	192.31	0
106	1	402.56	0
107	2	813.97	0
TOTAL	<u>138</u>	\$ 37,477.48	\$ 450.24

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1978

FEMALE MEMBERS

		Basic Monthly	Supple	emental Monthly	Benefits
Age	Number	Benefit	1968	1974 on 1968	1974
			S		
50	1	\$ 357.02			
51	1	700.74			
52	1	500.09			
53	1 2	134.80			
54		744.26			
55	3 5 3	1,640.48			\$ 33.49
56 57	3	3,250.04			ÿ 55.45
57 58	14	2,080.74 10,554.30			_
59	19	14,618.40			8.68
60	47	25,703.49			- 0.00
61	205	73,437.86			_
62	289	90,419.65	\$ 13.98	\$ 4.19	90.92
63	567	172,671.66	.75	.23	30.16
64	735	226,244.56		-	92.46
65	784	221,322.29	9.90	2.97	1,079.76
66	883	251,205.28	-	-	2,589.32
67	894	241,941.25	10.50	3.15	4,021.48
68	846	218,615.45	7.46	2.24	5,785.78
69	805	208,800.00	-	-	8,373.76
70	719	171,591.61	-	-	10,593.53
71	697	162,416.23	25.21	7.56	13,319.34
72	644 -	140,071.95	32.85	9.85	15,490.76
73	537	107,973.03	154.97	46.48	14,215.88
74	500	96,989.92	368.76	110.69	15,089.21
75	426	80,272.05	671.15	201.44	13,165.04
76	391	69,667.60	872.49	260.48	13,365.28
77	295	54,466.74	1,069.55	320.89	12,051.71
78	279	49,116.73	1,459.01	437.85	10,954.21
79	255	44,175.99	1,631.97	489.71	9,700.26
80	210	34,465.99	2,049.91	615.05	8,575.41
81	179	26,606.12	1,652.00	494.77	6,621.36
82	182	28,491.24	2,044.82	606.93	6,406.37
83	149	19,507.22	2,083.52	624.93	5,312.54
84	126	17,589.34	1,909.88	573.03 526.09	4,644.60 3,253.75
85 86	106 91	12,750.45 13,198.19	1,753.48 1,644.75	492.01	3,366.76
87	64	7,703.54	1,210.38	363.12	2,119.31
88	52	7,764.49	1,210.38	362.24	2,187.47
89	46	5,844.49	841.68	252.50	1,344.52
90	33	3,794.89	638.23	191.47	1,020.79
91	27	2,745.96	628.93	188.69	808.35
92	10	795.48	216.68	65.00	238.66
93	15	1,972.44	364.02	109.23	591.73
94	10	1,034.45	202.64	60.79	297.18
95	9	911.39	280.24	84.08	273.40
96	3	269.44	97.73	29.32	80.83
97	3 1	35.88	5.74	1.72	10.77
98	4	455.04	53.18	15.96	136.50
100	1	66.78	48.32	7.25	10.01
103	1	282.33			
Total	12,167	\$2,928,019.36	\$25,262.10	\$ 7,561.91	\$197,351.34

FEMALES

		Basic Monthly	Supplemental Monthly Benefit
Age	Number	Benefit	1974
12	4	\$ 554.09	
13	2	321.88	
14	2 1	421.83	
15	1	138.48	
17	1	131.10	
20	1	252.25	
26	1	178.48	
28	2	341.06	\$ 6.18
29	1 1 2 3 2 1 3 0 1 1 1 1 1 2	376.24	0
30 31	1	803.09 299.03	0
32	3	800.61	0
33	0	0	ŏ
34	1	227.16	Ō
35	1	132.98	0
36	1	31.50	0
37	1	115.29	0
38	2	1,534.13	0
_39	3 4	1,739.96	0
40		421.24	6.88
41	1	70.12	0
42	4	1,048.46	7.61
43	2	238.93	0
44	2 3 2	222.27 391.67	0
46	4	637.97	ő
47	4	567.66	Ö
48	6	1,270.12	. 0
49	5	1,946.53	0
50	6	1,307.80	0
51	12	2,958.50	0
52	19	4,954.55	107.40
53	11	1,716.34	46.30
_54	21	7,335.52	26.61
55	17	4,246.97	0
56	13	4,248.02 8,738.37	19.90 59.33
57 58	39 32	9,126.52	201.35
59	56	15,601.54	207.52
60	50	15,867.78	287.23
61	61	22,478.69	153.52
62	64	14,317.94	81.45
63	103	28,313.35	224.54
64	88	27,844.03	459.61
65	104	25,575.26	500.37
66	106	31,034.33	469.79
67	114	29,013.80	905.79
68	113	29,453.06	729.25
_69	126	35,075.71	1,027.82

FEMALES

Age	Number	Basic Monthly Benefit	Supplemental Monthly Benefit 1974
70	128	\$ 32,996.70	\$ 877.07
71	124	28,880.36	1,011.62
72	130	24,386.28	1,365.64
73	118	26,586.80	1,182.13
74	98	19,522.17	1,112.36
75	107	18,956.94	987.16
76	99	22,034.31	1,295.69
77	95	18,859.58	996.57
78	98	17,144.25	949.18
79	84	13,200.52	782.70
80	73	10,681.75	507.17
81	78	13,137.79	862.05
82	74	12,425.77	435.64
83	48	8,505.72	204.98
84	57	6,805.49	64.83
85	38	5,243.25	200.99
86	35	5,025.19	317.11
87	20	1,765.15	70.96
88	38	4,238.57	85.11
89	17	1,807.10	12.46
90	12	1,368.74	3.63
91	14	1,583.74	24.49
92	8	750.34	47.33
93	8	2,419.86	74.98
94	11	980.92	0
95	2	107.00	0
96	3	476.31	84.57
97	0	0	0
98	0	0	0
99	1	45.00	0
100	1	131.55	0
101	1	104.16	31.25
104	1 2	117.67	0
105		382.48	0
106	1	932.73	0
107	1	153.37	0
108	3	531.26	0
Total	2,849	\$636,711.03	\$19,116,12

DISABILITY ANNUITIES as of DECEMBER 31, 1978

MALE MEMBERS

		Basic Monthly	Suppler	mental Monthly	Benefits
Age	Number	Benefit	1968	1974 on 1968	1974
29	2	\$ 539.85			
30	4	979.70			
32	5	1,424.31			\$ 12.69
33	4	1,372.42			0
34	1	302.07			0
35	4	1,489.08			
36	7	2,497.34			0
37	2 8	558.32			0
38	8	1,680.21			68.35
39	8	2,058.48			22.61
40	7	1,937.60			0
41	6	1,537.69			29.96 20.88
42	10	2,730.39			20.00
43 44	7 12	2,297.35 4,074.64			32.56
45	18	5,797.07			27.70
46	20	5,963.67	\$ 21.74	\$ 6.53	172.13
47	17	5,330.81	.97	.29	64.68
48	20	5,383.74	12.57	3.77	105.97
49	29	10,735.91	0	0	130.99
50	34	12,221.81	20.56	6.32	116.61
51	46	16,696.98	0	0	157.44
52	36	11,628.30	0	0	134.93
53	52	19,019.11	0	0	206.52
54	54	19,327.08	0	0	343.48
55	63	20,634.82	10.82	3.25	363.57
56	75	24,437.31	30.81	9.24	387.86
57	76	24,395.73	0	0	201.90
58	89	25,465.17	7.89	2.37	397.61
59	91	26,899.60	10.08	3.02	448.61
60	115	33,821.38	23.86	7.17	545.93
61	110	30,254.50	41.41	12.42	445.76
62	79	19,646.61	7.20	2.16	487.49
63	44	10,209.05	31.32	9.39	459.70
64	55	9,860.78	93.73	28.14 14.95	953.71 926.49
65 66	51 40	9,089.85 6,156.97	49.84 72.31	21.71	895.81
67	29	3,776.66	71.99	21.60	602.28
68	22	2,004.38	75.47	22.65	423.16
69	11	1,044.31	85.72	25.72	294.26
70	12	994.61	141.67	42.36	281.95
71	12	1,029.85	79.81	23.94	306.03
72	12	1,146.81	182.28	54.69	344.07
73	14	1,083.46	167.27	50.19	325.04
74	8	589.16	117.47	35.25	176.75
75	8	536.35	98.57	29.56	160.91
76	2	307.24	36.00	10.80	92.18
77	1	57.18	9.14	2.74	17.15
78	4	404.43	204.90	61.47	121.32
79	2	140.99	72.54	21.76	42.30
80	2	139.99	93.48	28.04	42.00
83	1	57.36	86.04	25.81	17.21
84	2	139.13	93.34	28.00	41.74
88	1	38.43	53.41	16.02	11.53
Total	1,444	\$391,946,04	\$2,104,21	\$631.33	\$11,461.82
					SCHEDULE H
		1901.01	2.5		

HUGGINS

DISABILITY ANNUITIES as of DECEMBER 31, 1978

FEMALE MEMBERS

		Basic Monthly		Supple	mental	Monthly	Benef	its
Age	Number	Benefit		1968		on 1968		1974
28	3	\$ 678.42						
29	1	391.80						
30	1	348.16						
31 32	4	811.12						
33	2 1	533.80					٨	
34	1	138.47					\$	6.93
35	5	234.12 1,279.18						9.22
36	3	541.82						
37	4	779.21						12.29
38	7	1,777.28						25.69 0
39	3	939.63						
40	2	482.05						0
41	6	1,540.11	\$	1.03	\$.31		38.70
42	6 5	1,441.46	Y	0	Y	0		0
43	9	1,953.65		Ö		0		23.22
44	6	1,432.89		Ö		0		30.43
45	6	1,869.09		0		0		19.97
46	6	1,194.84		0		0		51.53
47	11	2,064.38		0		0		103.56
48	20	5,132.37		3.53		1.06		77.12
49	9	1,975.13		0		0		37.02
50	16	4,174.54		3.80		1.14		106.10
51	19	4,033.56		8.94		2.69		116.68
52	21	4,989.59		10.92		3.28		43.35
53	36	9,177.83		0		0		117.98
54	46	13,415.22		7.35		2.21		221.10
55	41	10,389.14		17.97		5.40		226.94
56	56	13,653.42		34.07		10.22		416.66
57	60	15,145.57		4.00		1.20		335.26
58	46	9,406.85		24.96		7.49		298.82
59	74	19,344.25		10.55	200	3.16		454.10
60	53	11,641.36		20.15		6.05		374.17
61	67	14,432.44		13.38		4.01		397.42
62	50	8,539.49		34.19		10.26		402.59
63	48	10,386.22		19.81		5.95		593.86
64	44	6,383.72		86.67		26.01		726.43
65	42	5,787.19		63.59		19.07		662.24
66	38	5,273.86		88.64		26.59		803.24
67	29	2,226.98		138.09		41.43		500.99
68	19	1,944.50		141.31		42.41		488.37
69	20	1,910.15		82.46		24.74		512.54
70	15	1,384.69		148.16		44.45		406.04
71	13	901.47		140.48		42.15		249.42
72	11	899.41		131.95		39.58		245.94
73	6	497.06		41.79		12.54		149.10
74	4	205.27		68.75		20.63		61.59
75	10	622.84		102.80		30.86		186.86
76 77	3 7	141.82		60.52		18.15		42.55
77 70	,	455.83		197.46		59.25		136.74
78	4	271.23		76.84		23.04		81.37
	2	123.10		27.15		8.15		36.94

DISABILITY ANNUITIES as of DECEMBER 31, 1978

FEMALE MEMBERS

		Basi	c Monthly		Supple	mental	Monthly	Benef	its
Age	Number	B	enefit		1968	1974	on 1968		1974
80	3	\$	211.29	\$	78.31	\$	23.49	\$	63.38
81	5		337.97		154.18		45.38		99.70
82	3		155.93		92.36		27.71		46.78
84	1		64.39		14.81		4.44		19.32
87	2		139.17		85.16		25.55		41.75
88	1		46.33		16.41		4.92		13.90
Total	1,030	\$20	6,252.66	\$2	,252.54	\$	674.97	\$1	0,115.90

SCHEDULE I(2)

MALES

Age	Number	Basic Monthly Benefit
		A /0/ (0
29	1	\$ 494.63
47	1	456.88
50 52	1	129.02
	1	226.26
58 60	<u>1</u>	381.93 148.30
62	1	151.06
65	1	177.53
66	1	120.04
68		588.14
69	<u>2</u>	138.38
77	1	335.14
79	1 1	188.20
84	_1	129.02

Total	<u>15</u>	\$ 3,664.53
	FEMALES	
24	1	\$ 602.51
32	1 1	\$ 602.51 38.54
34	1	108.51
39	1	139.90
40	1	458.45
41	i	145.25
45	<u>_</u>	164.19
50		643.28
51	1	95.20
52	5	1,392.80
53	1 1 5 3	740.46
54	5	1,221.91
55	1	108.82
56	4	605.83
57	5	1,614.89
58	5 5 6	1,167.69
59	6	1,659.02
60	3	844.44
61	4	877.16
62	3	1,032.76
63	3 4 3 1	77.31
64	4	1,501.14
65 66	3	1,074.16
67	2	1,137.67 562.59
69	2	828.88
72	3 2 2 2 2	144.18
76	1	129.02
103	_1	238.50
Total	<u>_70</u>	\$ 19,355.06

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1978

MALE MEMBERS

		Basic Monthly	Supplemental Monthly	Benefits
Age	Number	Benefit	1968 1974 on 1968	1974
1100	11011001			
28	2	\$ 66.60		
29	3	89.07		
30	8	275.16		
31	15	569.51		
32	30	1,481.56		
33	17	870.68		
34	26	1,646.85		
35	25	1,340.67		
36	40	2,374.80		
37	30	2,196.72		
38	36	2,176.53		
39	27	2,371.94		
40	23	2,636.36		
41	34	4,066.02		
42	25	2,916.79		
43	25	3,126.60		
44	34	4,243.24		
45	32	3,424.32		
46	32	5,148.03		
47	35	6,246.75		
48	38	6,295.51		
49	41	10,072.88		
50	43	7,412.99		
51	46	13,260.71		
52	39	10,797.58		
53	44	12,914.15		\$ 79.10
54	56	17,613.37		124.14
55	61	19,670.27		61.91
56	44	15,145.13		146.02
57	72	24,515.67		124.31
58	98	35,874.09		235.58
59	117	40,265.46		296.05
60	96	34,694.74		131.99
61	104	35,971.16	\$130.19 \$ 28.00	1,016.85
62	103	32,223.26		2,115.70
63	99	30,231.05		2,326.28
64	102	31,360.94		3,000.20
65	83	22,498.67		2,400.46
66	84	19,836.09		2,591.87
67	74	17,411.89		2,708.86
68	67	11,888.78		2,431.18
69	51	7,538.71		1,899.53
70	68	9,436.40		2,730.54
71	48	5,359.54		1,603.23
72	48	5,436.03		1,630.90
73	36	4,537.40		1,361.24
74	41	4,250.67		1,260.67
75	35	3,904.35		1,083.65
76	31	2,621.22		786.39
77	25	1,401.36		409.44
78	26	1,832.25		549.72
_79	34	2,793.66		838.13

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1978

MALE MEMBERS

		Basic Monthly	Supp1	emental Monthly	y Bene	fits
Age	Number	Benefit	1968	1974 on 1968		1974
80	26	\$ 1,749.34			\$	524.80
81	28	2,421.57				726.51
82	28	2,547.81				764.39
83	17	1,331.75				399.54
84	6	335.57		107		100.68
85	2	506.01				151.81
86	1	23.33				7.00
87	2	128.66				38.59
88	1	76.24				22.87
89	2	380.87				114.27
90	2	199.53				59.86
91	1	36.91				11.08
92	1	87.26				26.18
94	1	120.06				36.01
Total	2,571	\$556,279.09	\$130.19	\$ 28.00	\$ 3	36,927.53

MALES

			Supplemental
		Basic Monthly	Monthly Benefit
Age	Number	Benefit	1974
14	1	\$ 1,540.39	
19	1	99.52	
20	2	212.30	
22	1	210.10	
25	1		
29		225.48	
31	1 2 1 1 1 1 1 2	91.90	
33	†	113.03	
	1	192.08	
34	1	13.05	
35		320.49	
37	1	564.02	
38	1 1	49.54	
39		38.43	
40	1	126.26	
41	1	182.04	
50	1	248.78	
51	1 2 1	228.39	
52	2	935.27	
54		274.78	
56	1	451.37	
57		216.62	
58	2 2	731.84	
59	2	2,578.06	
61	4	1,500.39	
62		1,282.95	
63	2	225.90	
64	2	590.33	
66	1	445.09	
68	2	998.87	
69	1 2 2 1 2 2 2 2 3 1	1,011.04	
70	2	1,785.76	
71	3	652.48	
73	1	11.67	\$ 3.50
74		354.65	y 3.30
75	1	83.41	
80	1 1 1	187.79	
108	i	402.98	
109	1	153.09	
103	_1	133.09	
Total	5.2	\$ 10 220 14	6 2 50
Total	<u>53</u>	\$ 19,330.14	\$ 3.50

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1978

FEMALE MEMBERS

		Basic Monthly	Sup	plemental Monthly	Benefits
Age	Number	Benefit	1968	1974 on 1968	1974
29	5	\$ 165.62			
30	12	392.75			
31	12	424.44			
32	19	782.00			
33	16	696.00			
34	8	344.80			
35	21	1,060.36			
36	13	783.03			
37	12	655.20			
38	15	744.64			
_39	12	976.08			
40	5	419.15			
41	8	412.90			
42	9	582.77			
43	13	1,015.05			\$ 5.26
44	12	959.30			0
45	10	886.73			0
46	15	1,328.23			0
47	18	2,010.20			0
48	18	2,551.07			0
49	24	3,917.75			0
50	21	2,222.21			0
51	26	3,860.21			0
52	42	8,554.48			0
53	45	7,132.71			0
54	38	7,579.21			0
55	62	12,371.10			12.89
56	70	15,258.52			0
57	69	14,129.53			0
58	109	27,627.04			62.14
59	101	27,215.88			0
60	117	35,009.54			0
61	110	29,661.35			237.60
62	97	25,068.56			628.71
63	84	30,049.86			859.21
64	61	19,487.03			945.69
65	53	14,752.69			1,450.90
66	53	12,717.17			1,700.51
67	58	15,049.36			2,390.71
68	51	11,158.77			2,288.18
69	38	6,006.22			1,527.95
70	39	5,624.89			1,678.72
71	30	4,441.66			1,377.64
72	33	4,119.83	\$5.23	\$1.57	1,411.68
73	31	3,387.91	YJ.25	44.01	1,112.09
74	21	1,493.36			448.04
		1,473.30			770.04

SCHEDULE M(1)

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1978

FEMALE MEMBERS

		Basic Monthly	Supp	lemental Monthly	Benefi	ts
Age	Number	Benefit	1968	1974 on 1968		1974
75	22	\$ 2,576.46			٥	700 07
76	22	\$ 2,576.46 2,277.20			\$	780.87 849.00
77	10	736.89				200.09
78	15	969.51				290.87
79	19	1,472.14				441.67
80	13	887.06				266.14
81	8	487.54				146.25
82	5 7	410.80				123.23
83	7	335.67				100.71
84	2	100.92				30.28
85	3	100.18				30.05
86	5	407.17				122.15
87	1	225.23				67.57
88	1	16.22				4.87
89	1	70.07				21.02
91	4	96.84				29.05
92	2	40.52				12.16
93	1	19.81				5.94
94	1 2	75.00				22.50
95	1	48.35				14.51
102	1	90.68				27.21
Total	1,881	\$376,531.42	\$5.23	\$1.57	\$21	,724.06

FEMALES

Age	Number	Basic Monthly Benefit	Supplemental Monthly Benefit 1974
12	3	\$ 451.55	
13	3 2 2	1,699.37	
15	2	519.92	
22		99.52	
24	1 1 1 1	99.52	
27	ī	264.70	
28	ī	113.03	
29	ī	248.31	
30		204.35	
31	1 2	407.42	
33	1	529.01	
35	2	624.49	
36	2	746.39	
37	1	148.00	
38	1 2 2 1 1 2 2 4 3 2 2 4 2 4 2 2 8	138.37	
39	2	289.15	
41	2	284.15	
42	4	3,807.55	
43	3	192.71	
44	2	522.52	
45	2	2,260.92	
46	4	987.85	
47	2	984.68	
48	8	3,843.57	
49	11	3,148.56	
50	10	3,535.77	
51	10	3,355.81	\$ 28.71
52	9	2,296.26	0
53	5	2,220.62	0
54	20	9,197.59	0
55	19	8,491.02	0
56	17	5,237.12	0
57	16	5,958.06	0
_58	25	7,013.19	0
59	16	5,461.52	0
60	19	4,802.55	2.87
61	24	7,182.80	28.40
62	16	4,380.44	20.99
63	22	7,130.48	0
64	24	6,555.61	46.63
65	19	5,048.01	263.52
66	30	6,864.65	105.44
67	25	5,400.32	71.46
68	13	2,411.55	0
69	19	2,994.84	63.35

WITHDRAWAL ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1978

FEMALES

Age	Number	Basic Monthly Benefit	Supplemental Monthly Benefit 1974
70	19	\$ 3,330.13	\$ 70.16
71	20	2,853.31	74.92
72	15	1,371.31	38.30
73	20	2,108.37	122.70
74	20	2,236.31	47.85
75	8	1,009.40	0
76	17	1,687.28	40.51
77	8	656.82	40.45
78	16	1,910.28	66.32
79	9	1,349.05	54.98
80	4	527.13	84.42
81	2	96.51	0
82	2 3	659.98	6.41
83	3	391.18	0
85	1	109.19	0
86	2	222.32	0
108	_1	140.45	0
Total	s <u>588</u>	\$148,813.25	\$1,278.39

Average

Basic Monthly Benefit	\$342.49	274.84	303.53	281.26 212.91	244.30 276.50	253.40	230.79	364.79	227.97	\$291.31
Age	70.39	60.14 70.95	70.52	57.69 58.97	62.27 57.60	58.23	58.99 59.56	54.53 62.43	59.55	68,44
Total	\$ 6,572,774.69 3,158,194.71	37,927.72 655,827.15	10,424,724.27	406,143.40 219,296.07	3,664.53 19,355.06	648,459.06	593,364.81 398,262.28	19,333.64 150,091.64	1,161,052.37	\$12,234,235.70
enefit 1974	\$386,237.17 197,351.34	450.24 19,116.12	603,154.87	11,461.82	1.1	21,577.72	36,927.53 21,724.06	3.50	59,933,48	\$684,666.07
Supplemental Monthly Benefit 968 1974 on 1968	\$12,746.60 7,561.91	1.1	20,308.51	631.33 674.97	1.1	1,306.30	28.00	1 1	29.57	\$21,644.38
Suppleme 1968	\$42,495.58 25,262.10	ť t	67,757.68	2,104.21	1.1	4,356.75	130.19	1 1	135,42	\$72,249.85
Basic Monthly Benefit	\$ 6,131,295.34 2,928,019.36	37,477.48 636,711.03	9,733,503.21	391,946.04 206,252.66	3,664.53 19,355.06	621,218.29	556,279.09 376,531.42	19,330.14 148,813.25	1,100,953.90	\$11,455,675.40
Number	19,191 12,167	138	34,345	1,444	15	2,559	2,571 1,881	53 588	5,093	41,997
	Superannation Male Female	Beneficiaries: Male	Total	Disability Male Female	Beneficiaries: Male Female	Total	Withdrawal Male Female Surviving	Beneficiaries: Male Female	Total	TOTAL ANNUITIES

SCHEDULE 0

HUGGINS

MEMBERSHIP 0 F COMPARISON

1978	ary		108,973	643,908,572	017,545				
December 31, 1978	Salary		73,112 \$1,146,108,973	643,	127,417 \$1,790,017,545				
Dесе _ш	Number		73,112	54,305	127,417		41,997	169,414	
December 31, 1977	Salary		73,552 \$1,122,839,957	606,397,225	126,831 \$1,729,237,182				
Decem	Number	BERS	73,552	53,279	126,831	S	38,494	165,325	
December 31, 1976	Salary	ACTIVE MEMBERS	74,974 \$1,061,361,348	566,265,724	128,675 \$1,627,627,072	ANNUITANTS			
Decem	Number	A C	A C	74,974	53,701	128,675		34,761	163,436
December 31, 1975	Salary		75,778 \$ 969,925,816	504,155,690	129,396 \$1,474,081,506				
	Number		75,778	53,618	129,396		31,312	160,708	
			Male	Female	Total				

BENEFIT AND CONTRIBUTION PROVISIONS as of DECEMBER 31, 1974 (as embodied in Act 31, approved March 1, 1974)

The State Employees' Retirement System of Pennsylvania makes provision for retirement, disability, and death benefits for all State employees and certain other eligible groups. The major provisions may be summarized as follows:

Eligible Employees

- Class A All regular State employees as well as employees of certain

 Commissions and Authorities and all employees of state-owned educational institutions and the Pennsylvania State University (unless such employees have joined the Public School Employees' Retirement System of Pennsylvania). All employees who become members (or who rejoin the Retirement System) on and after March 1, 1974.
- Class C Officers and employees of the Pennsylvania State Police and enforcement officers of the Pennsylvania Liquor Control Board who were members prior to March 1, 1974.
- Class D-3 Members of the General Assembly who were members prior to March 1, 1974.
- Class E-1 Members of the Judiciary who were members prior to March 1,
- Class E-2 Justices of the Peace paid by the Commonwealth who were members prior to March 1, 1974.

Age Requirements for Superannuation Retirement (with full formula benefits)

Class A* - Age 60, except for members of the General Assembly, enforcement officers, correction officers, psychiatric security aides and officers of the Pennsylvania State Police for whom the requirement is age 50.

*Members of Class A with 35 or more years of credited service are entitled to at least full formula benefits regardless of age.

Classes C and D-3 - Age 50.

Class E-1 - Age 60.

Class E-2 - Age 60.

Formula for Superannuation Retirement Annuity

The standard single-life annuity applicable to members of Class A, is equal to 2% of the final 3-year average salary ("F.A.S.") of the member multiplied by the years and fractions of credited service.

The annuity for other classes of members is obtained by multiplying the standard single-life annuity by a class multiplier as follows:

	Class of Service Multiplier					
Class	Prior to 1/1/73	On and After 1/1/73				
С	1	1				
D3	3.75	1.731				
E-1	 for each of the first 10 years of judicial service plus 1.5 for each subsequent year 	service plus 1.125 for				
E-2	1.5	1.125				

NOTE: There are conditions under which long-service members or members retiring at advanced ages may receive somewhat larger benefits than those described above.

In addition to the standard single-life annuity as determined above, a member of Class C receives a "member's annuity" actuarially equivalent to the regular accumulated member contributions and interest at retirement but not less than such annuity determined as if the member were age 60 at retirement.

In addition to the above benefits, a member who, prior to March 1, 1974, has elected "Social Security Integration Credits" is entitled to a single-life annuity of 2% of his "Average Non-Covered Salary" for each year of Social Security Integration credits. "Average Non-Covered Salary" is the average annual salary

SCHEDULE Q (2)

received while covered by the Retirement System since January 1, 1956 in excess of the maximum covered wages under Social Security. In effect, the years of Social Security Integration Credit are the same as total credited service unless the member did not elect coverage when first eligible.

Age and Service Requirements for Early Retirement

In the case of withdrawal, a member of Class D-3 is eligible for early retirement after 6 years of legislative service and members of other classes are eligible after 10 years of service.

Adjustment for Early Retirement Benefit

A member receives the actuarial equivalent of the annuity payable at superannation retirement age earned to the date of early retirement.

Age and Service Requirements for Disability Retirement

A member is eligible for disability retirement if he is totally and permanently disabled prior to superannuation retirement age and has at least 5 years of service, except an officer of the State Police or an enforcement officer for whom there is no service requirement.

Formula for Disability Benefit

The disability benefit is equal to the benefit calculated as for superannuation retirement, based on years of credited service at disability, if the result is greater than or equal to 33-1/3% of F.A.S. at time of disability. If the benefit so calculated is less than 33-1/3% of F.A.S., the disability benefit is equal to the smaller of:

- (a) the benefit calculated as for superannuation retirement based on service to superannuation, or
- (b) 33-1/3% of F.A.S. at time of disability.

SCHEDULE Q (3)

Eligibility for Vested Benefit

A member is eligible for a vested benefit after 10 years of service, except for members of Class D-3 who are eligible after 6 years of credited service.

Vested Benefit

The vested benefit is calculated as for superannuation retirement but deferred until superannuation retirement age.

Eligibility for Death Benefit Prior to Retirement

A member is eligible if he has 10 years of credited service, except for a member of Class D-3 who is eligible after 6 years of credited service, or attainment of superannuation age.

Amount of Death Benefit Prior to Retirement

An eligible beneficiary receives the full reserve value of the benefits to which the member would have been entitled had he retired the day before he dies, assuming he had elected Option 1 if no other option had been elected.

Death Benefits After Retirement

A member may elect one of several typical optional reduced pensions in lieu of his maximum single-life annuity provided by the formula. However, if he elects the single-life annuity, there is a provision for a modified cash refund without actuarial reduction of the unpaid balance of the member accumulated contributions and interest at time of retirement.

Supplemental Allowances

Any superannuation or disability annuitant is entitled to a supplemental allowance sufficient to build the amount of his total single life allowance including any cost of living supplements up to not less than at the rate of \$84.50 for each year of credited service.

SCHEDULE Q (4)

A percentage cost-of-living increase was also applied as of July 1, 1968 to the benefits of annuitants in receipt of superannuation and disability allowances which became effective prior to January 1, 1967. The percentages varied according to year of retirement and began with 1% increase for those retiring in 1966 and increased to 150% for those who retired in 1933 and earlier. Such supplemental benefit was based on the single life benefits payable to member annuitants and discontinues at their death.

A percentage cost-of-living increase was applied as of July 1, 1974 to the benefits of annuitants in receipt of superannuation or disability allowances which became effective prior to July 1, 1972. The percentages varied according to year of retirement and began with a 5% increase for those retired between July 1, 1971 and June 30, 1972 and increased to 30% for those who retired prior to July 1, 1957. Such cost-of-living supplements are payable under the terms and conditions as provided under the option plan in effect as of July 1, 1974. Such supplemental annuities are also payable to withdrawal annuitants beginning after superannuation age (but not prior to July 1, 1974).

Rate of Member Contribution

(i) Regular member contributions, excluding Social Security Integration contributions

Class A - 5% of total salary

For other classes of members, the class of service multiplier is applied to the 5% rate to produce the following:

Class C - 5%

Class D-3 - 8.655%

Class E-1 - 7.5% during the first 10 years of judicial service and 5.625% thereafter.

Class E-2 - 5.625%

SCHEDULE Q (5)

(ii) Additional contribution for Social Security Integration Credit

A member of any class who elected before March 1, 1974 Social Security Integration Credit pays 5% of any salary in excess of the amount of salary covered by Social Security during the year for which contributions are being made. A member electing to end additional contributions is ineligible to make future contributions or accrue future benefits.

Interest Credited on Member Contribution

A rate of 4% stipulated as the statutory rate of interest, has been credited on the member contributions since the inception of the system.

Refund of Accumulated Member Contributions

On the death of a member not qualifying for death benefits, his accumulated member contributions are paid to his beneficiary; also, any member terminating service when not eligible for another form of benefit is paid a refund of his accumulated contributions and interest; any other terminating member may elect the refund of his accumulated contributions and interest in lieu of the retirement allowance to which he is entitled.

Employer Contributions

The State pays the balance of the required contributions in excess of the members contributions in accordance with the law. Basically, the employer contribution is the normal cost plus an accrued liability contribution funded over 30 years, assuming the accrued liability contribution increases at least 4% each year. In addition, a contribution is required to fund the Supplemental Allowance effective in 1968 over 20 years from July, 1969 and the Supplemental Allowance effective in 1974 over 20 years from July, 1974.

SCHEDULE Q (6)

ACTUARIAL ASSUMPTIONS

Interest Rate: 5½% per annum, compounded annually.

Service Tables: Service tables for active members based on the experience of the Retirement System in 1971-75, with values at specimen ages in

five separate classes as follows:

CLASS* AGE	RATES Withdrawal	OF SEP Death	A R A T I O N Disability	D U E T O Retirement	SALARY SCALE
A and B 25 (MALE) 35 45 55 65	.1993 .1031 .0838 .0750	.0010 .0018 .0039 .0105	.0001 .0004 .0013 .0047	.0010 .0020 .0043 .0124 .1900	\$ 4,000 8,136 13,655 21,398 33,231
A and B 25 (FEMALE) 35 45 55 65	.1900 .1124 .0715 .0645	.0005 .0010 .0020 .0039 .0055	.0001 .0003 .0012 .0045	.0001 .0016 .0033 .0111 .2300	4,000 8,136 13,655 21,398 33,231
C 25 (MALE and 35 FEMALE) 45 55 65	.0117 .0020 .0100	.0010 .0018 .0039 .0105	.0001 .0004 .0013	.0001 .0012 .0032 .0525 .3100	4,000 7,109 11,221 16,300 22,992
D 25 (MALE and 35 FEMALE) 45 55 65	.0766 .0524 .0067	.0010 .0018 .0039 .0105 .0127	.0001 .0004 .0013	- .0067 .0680 .1690	4,000 5,642 7,959 11,227 15,837
E 25 (MALE and 35 FEMALE) 45 55 65	.0274 .0140 .0084 .0088	.0010 .0018 .0039 .0105	.0001 .0004 .0013 .0047	.0004 .0061 .0475	4,000 5,642 7,959 11,227 15,837

Superannuation and Withdrawal Allowances:

The mortality table used for those receiving superannuation and withdrawal allowance is the 1971 Group Annuity Mortality Table.

Disability Allowances:

The mortality tables used for those receiving disability allowances are modifications based on sex of 1965 Railroad Retirement Board Mortality amoung Totally Disabled Annuitants.

*As defined in Retirement Law prior to March 1, 1974 amendment (Act 31).

STATE EMPLOYEES' RETIREMENT SYSTEM

COMMONWEALTH OF PENNSYLVANIA

Summary of Data as of December 31

	1975	1976	1977	1978		
Number of members Actives Pensioners and beneficiaries Total	130,642 31,312 161,954	130,145 34,761 164,906	128,249 <u>38,494</u> 166,743	128,742 41,997 170,739		
Total payroll (000,000)		\$ 1,627.6 12,506	\$ 1,729.2 13,634	\$ 1,790.0 13,904		
Present value of future benefits (000,000 Pensioners and beneficiaries	\$ 980.9 3,718.5	\$ 1,115.1 4,276.0 5,391.1	\$1,272.3 4,649.4 \$5,921.7	\$ 1,429.0 4,955.6 \$ 6,384.6		
Assets (000,000) Accumulated member contributions Other Total	1,075.1	\$ 685.6 1,285.9 \$ 1,971.5	\$ 752.9 1,512.7 \$2,265.6	\$ 816.9 1,750.5 \$ 2,567.4		
Unfunded liabilities (000,000)	\$ 3,004.3	\$ 3,419.6	\$3,656.1	<u>\$ 3,817.2</u>		
Present value of member contributions (000,000)	\$ 700.5	\$ 788.8	\$ 837.8	\$ 876.6		
Present value of employer contributions (000,000)	\$ 2,304.8	\$ 2,632.9	\$2,819.8	\$ 2,941.8		
Number of pensioners and beneficiaries per						
active member	1:4	1:4	1:3	1:3		

STATE EMPLOYEES' RETIREMENT SYSTEM

COMMONWEALTH OF PENNSYLVANIA

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Present value of employer contributions (000,000)	\$ 2,304.8	\$ 2,632.9	\$2,819.8	\$ 2,941.8			
Number of pensioners and							
beneficiaries per active member	1:4	1:4	1:3	1:3			