

STATE EMPLOYEES' RETIREMENT SYSTEM

Actuarial Valuation  
as of

December 31, 1970

**HUGGINS**  
& COMPANY, INC.

CONSULTING ACTUARIES • EMPLOYEE BENEFIT PLAN CONSULTANTS

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Hon. C. Delores Tucker, Chairman  
State Employees' Retirement Board  
E-260 Labor and Industry Building  
Harrisburg, Pennsylvania 17120

STATE EMPLOYEES' RETIREMENT SYSTEM

Actuarial Valuation as of December 31, 1970  
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Dear Mrs. Tucker:

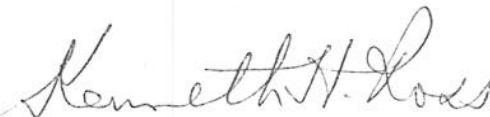
Herewith please find our valuation report showing statements of assets, account balances and actuarial liabilities of the State Employees' Retirement System as of December 31, 1970, together with an actuarial balance sheet in which these statements are coordinated. All reserve liabilities and statistical tables have been based upon the data submitted by the office of the Retirement Fund and these results were completed at the earliest date possible after the submission of the data.

There are also shown supporting schedules from A to R, inclusive.

Respectfully submitted,

HUGGINS & COMPANY, INC.

By



KENNETH H. ROSS

PART I - VALUATION AS OF DECEMBER 31, 1970

A complete actuarial valuation of the State Employees' Retirement System was made as of December 31, 1970 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, 1970.
2. Liabilities of the Retirement Fund as of December 31, 1970, showing the various account balances.
3. Actuarial liabilities as of December 31, 1970.

In the statement of the assets, it will be noted that the total book value of investments, after adjustment for amortization, amounted to \$806,758,458. In addition to the other items, it will be noted that there was an amount of \$28,045,613 of Accounts Receivable which represents amounts due from the Commonwealth. The total assets amount to \$851,326,580.

The account balances total \$851,326,580, 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 \$18,619,089 is at a particularly low point and may reach a deficit position in the near future unless substantial State appropriations are maintained.

Comments on the statement of actuarial liabilities are made following the statement. It will be noted that the total actuarial liabilities amount to \$2,300,013,761.

STATE EMPLOYEES' RETIREMENT FUND

STATEMENT OF ASSETS AS OF DECEMBER 31, 1970

Cash.....		\$ 758,985
 <u>Investments</u>		
Unmatured (Par Value) of investments...\$808,687,296		
Net Accrual on Investments after amortization.....	<u>1,928,838</u>	806,758,458
Interest due and accrued.....		12,260,723
Members contribution in transit.....		3,502,801
Accounts Receivable (Due from Commonwealth).....		<u>28,045,613</u>
 TOTAL ASSETS.....		 <u><u>\$851,326,580</u></u>

STATE EMPLOYES' RETIREMENT FUND

STATEMENT OF ACCOUNT BALANCES AS OF DECEMBER 31, 1970

Members' Annuity Savings Account.....	\$375,330,561
Members' Annuity Reserve Account.....	109,934,846
State Police Members' Annuity Reserve Account.....	5,870,808
State Annuity Reserve Account.....	320,844,429
State Police Benefit Account.....	18,796,851
Enforcement Officers Benefit Account.....	1,887,858
State Annuity Accumulation Account.....	18,619,089
Reserve for outstanding checks (Miscellaneous Liability)...	<u>42,138</u>
Total Account Balances and Miscellaneous Liabilities...	<u><u>\$851,326,580</u></u>

STATE EMPLOYEES' RETIREMENT FUND

STATEMENT OF ACTUARIAL LIABILITIES AS OF DECEMBER 31, 1970

Present value of benefits payable on account of annuitants and beneficiaries from -

Members' Annuity Reserve Account:

Superannuation.....	\$ 90,540,834	
Disability.....	3,238,620	
Withdrawal.....	<u>10,661,964</u>	
Total.....		\$ 104,441,418

State Police Members' Annuity Reserve Account..... 5,332,896

State Annuity Reserve Account:

Superannuation.....	\$259,430,151	
Disability.....	9,622,057	
Withdrawal.....	<u>32,356,984</u>	
Total.....		301,409,192

Supplemental Retirement Allowance Account..... 15,066,766

State Police Benefit Account:

State annuities..... 31,470,531

Enforcement Officers Benefit Account:

State annuities..... 2,185,743

Total for annuitants and beneficiaries..... \$ 459,906,546

Present value of benefits to active and inactive members for -

Superannuation and withdrawal.....	\$1,383,985,696	
Disability.....	68,426,282	
Death.....	220,837,807	
Refunds.....	<u>166,815,292</u>	

Total for active and inactive members..... \$1,840,065,077

Miscellaneous..... 42,138

TOTAL ACTUARIAL LIABILITIES..... \$2,300,013,761

Liability related to present annuitants and beneficiaries.....\$459,906,546

A breakdown of the liability of \$459,906,546 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, 1970		
	Members' Annuity Reserve	State Annuity Reserve	Total Annuity Reserve
<u>Other Than State Police or Enforcement Officers</u>			
Superannuation .....	\$ 90,540,834	\$259,430,151	\$349,970,985
Disability.....	3,238,620	9,622,057	12,860,677
Withdrawal.....	<u>10,661,964</u>	<u>32,350,984</u>	<u>43,018,948</u>
Sub-Total.....	\$104,441,418	\$301,409,192	\$405,850,610
<u>Supplemental Allowance.....</u>	-	15,066,766	15,066,766
<u>State Police.....</u>	5,332,896	31,470,531	36,803,427
<u>Enforcement Officers.....</u>	Included in "Others"	<u>2,185,743</u>	<u>2,185,743</u>
Total Liabilities.....	<u>\$109,774,314</u>	<u>\$350,132,232</u>	<u>\$459,906,546</u>

It is interesting to compare the above liabilities with the corresponding amounts shown in the statement of account balances on page 3. Thus, the liabilities of \$104,441,418 must be compared with the Members' Annuity Reserve Account balance of \$109,934,846, producing a surplus of \$5,493,428. A transfer of this amount should be made from the Members' Annuity Reserve Account to the State Annuity Accumulation Account as of December 31, 1970 in order to bring the account into balance.

The required reserves for the State Police Members' Annuity Reserve Account amount to \$5,332,896. The corresponding account balance is \$5,870,808 which produces a surplus of \$537,912. A transfer of this amount should be made from the State Police Members' Annuity Reserve Account to the State Police Benefit Account as of December 31, 1970 in order to balance the account.

The State Annuity Reserve Account shows liabilities amounting to \$301,409,192. The corresponding fund balance is \$320,844,429. A transfer of the surplus of \$19,435,237 should be made to the State Annuity Accumulation Account to bring the account in balance as of December 31, 1970.

The 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. Apparently, this account shows no balance as of December 31, 1970. Since the liabilities amount to \$15,066,766, this amount represents a deficiency to be funded by future Commonwealth appropriations. In the future, appropriations should be credited to this account and it should be charged with payments of benefits. As of December 31, each year the account should be credited with regular interest.

The liabilities of the State Police Benefit Account amount to \$31,470,531 and the account balance to \$18,796,851. However, after the transfer of \$537,912 from the State Police Members' Annuity Reserve Account is made as of December 31, 1970, the account balance is increased to \$19,334,763. The deficiency in this account is therefore \$12,135,768 after adjustment.

The Enforcement Officers Benefit Account includes only the State portion of the enforcement officers liability as the members' portion is included by law in the Members' Annuity Reserve Account. The reserves required are \$2,185,743, while the assets, as shown, are \$1,887,858. The deficiency is therefore \$297,885.

The number of present annuitants and beneficiaries and their annual annuities as of December 31, 1970 are shown in the following table.

Category of Annuitants or Beneficiaries	Annual Annuities as of December 31, 1970			
	Number	Members' Annuity	State Annuity	Total Annuity
<u>Other Than State Police or Enforcement Officers</u>				
Superannuation.....	14,352	\$ 9,332,335	\$24,732,313	\$34,064,648
Disability.....	928	316,269	917,750	1,234,019
Withdrawal.....	2,349	921,816	2,709,122	3,630,938
Sub-total.....	17,629	\$10,570,420	\$28,359,185	\$38,929,605
<u>State Police.....</u>	849	414,289	2,368,015	2,782,304
<u>Enforcement Officers.....</u>	52	48,755	195,149	243,904
Totals.....	18,530	\$11,033,464	\$30,922,349	\$41,955,813

The age distributions of the annuitants and beneficiaries in the various categories are shown in schedules at the end of this report, as listed in the Appendix.



Liability related to present active and inactive members.....\$1,840,065,077

The liability of \$1,840,065,077 related to the active and inactive members of the system is based on the data summarized briefly in the table below.

Active members:	<u>Male</u>	<u>Female</u>	<u>Total</u>
Number .....	\$ 68,608	\$ 44,399	\$ 113,007
Salaries .....	\$605,126,482	\$283,371,503	\$888,497,985
Present value of 1% of future salaries.....	\$ 42,941,631	\$ 21,677,856	\$ 64,619,487

Because the information summarized above and appearing in the schedules excludes a number of members of the Legislature (Class D), the liabilities were adjusted to allow for the missing members. Thus, the total number of members of Class D appears as 120 in Schedule E, but we have increased the liability to allow for a total of 263 members of Class D. This results in adjusted total salaries of \$889,728,618 and an adjusted total present value of 1% of future salaries of \$64,683,402.

The age distributions of the active members are shown at the end of this report as listed in the Appendix.

Miscellaneous..... \$ 42,138

This item is the total of the reserve for outstanding checks.

Total actuarial liabilities..... \$2,300,013,761

The total actuarial liability represents the present value of all obligations of the System for all future benefits, both those related to service prior to December 31, 1970 and those that will be related to subsequent service.

The actuarial assumptions used in this valuation are summarized in Schedule R at the end of this report.

PART II - REQUIRED TRANSFERS TO ADJUST ACCOUNT BALANCES

In discussing the various account balances in Part I, references were made in several places to reserve transfers that should be made as of December 31, 1970 in order to bring the account into balance. A summary of the account balances and actuarial liabilities, along with the corresponding surplus or deficiency, is as follows:

<u>Fund</u>	<u>Account Balance</u>	<u>Actuarial Liability</u>	<u>Surplus (+) or Deficiency (-)</u>
Members' Annuity Reserve Account...	\$109,934,846	\$104,441,418	(+) \$ 5,493,428
State Police Members'			
Annuity Reserve Account.....	5,870,808	5,332,896	(+) 537,912
State Annuity Reserve Account.....	320,844,429	301,409,192	(+) 19,435,237
Supplemental Retirement			
Allowance Account.....	0	15,066,766	(-) 15,066,766
State Police Benefit Account.....	18,796,851	31,470,531	(-) 12,673,680
Enforcement Officers			
Benefit Account.....	1,887,858	2,185,743	(-) 297,885

As a result of this valuation, the following transfers are required:

<u>From</u>	<u>To</u>	<u>Amount</u>
Members' Annuity Reserve Account	State Annuity Accumulation Account .....	\$ 5,493,428
State Police Members' Annuity Reserve Account	State Police Benefit Account	537,912
State Annuity Reserve Account	State Annuity Accumulation Account.....	19,435,237

These transfers may be summarized according to each account as follows:

Net transfer to State Annuity Accumulation Account.....	(+) \$24,928,665
Transfer to State Police Benefit Account.....	(+) 537,912
Transfer from Members' Annuity Reserve Account.....	(-) 5,493,428
Transfer from State Police Members' Annuity Reserve Account.....	(-) 537,912
Transfer from State Annuity Reserve Account.....	(-) <u>19,435,237</u>
Net transfers.....	<u><u>0</u></u>

As a result of these transfers, the various account balances are as follows after adjustment:

	<u>Adjusted Account Balance</u>
Members' Annuity Savings Account.....	\$375,330,561 (Same) ✓
Members' Annuity Reserve Account.....	104,441,418 ✓
State Police Members' Annuity Reserve Account....	5,332,896 ✓
State Annuity Reserve Account.....	301,409,192 ✓
State Police Benefit Account.....	19,334,763 - <sup>12</sup>
Enforcement Officers Benefit Account.....	1,887,858 (Same) ^
State Annuity Accumulation Account.....	43,547,754
Miscellaneous.....	<u>42,138 (Same)</u>
Total Account Balances.....	<u>\$851,326,580 (Same)</u>

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 in Part III.

PART III - ACTUARIAL BALANCE SHEET

In the actuarial balance sheet submitted on page 12, the present assets of \$851,326,580, represented by the various account balances, are compared with the total liabilities of \$2,300,013,761. The difference of \$1,448,687,181 represents the future assets and we will now discuss the various items comprising this total.

The deficiency in the State Police Benefit Account of \$12,135,768 has decreased by \$3,179,459 since we reported a deficiency of \$15,315,227 as of June 30, 1969; also the deficiency of \$297,885 in the Enforcement Officers Benefit Account has decreased by \$417,295 since we reported a deficiency of \$715,180 as of June 30, 1969. These deficiencies should be removed and, as you know, we have recommended increased appropriations in order to build up the balances in these accounts.

It will be noted that the present value of prospective employe contributions appears as \$361,869,126. In addition, the present value of the employer contributions to the State Annuity Accumulation Account is \$1,059,317,636.

According to our present calculations, the normal cost contribution to the State Annuity Accumulation Account is 13.82%, made up as follows:

	<u>Normal Cost %</u>
Superannuation and Withdrawal.....	9.27%
Disability.....	0.48
Death.....	1.44
Refunds.....	<u>2.63</u>
Total normal cost percentage.....	<u>13.82%</u>

We estimate that 6.50% represents the average future employe contribution rate, leaving the employer normal cost percentage as 7.32%.

The present value of future employer contributions to the State Annuity Accumulation Account therefore is allocated as follows:

Present value of future normal cost (7.32 times \$64,683,402).....	\$ 473,482,503
Unfunded accrued liability.....	<u>585,835,133</u>
Total present value of employer contributions.....	<u>\$1,059,317,636</u>

If this unfunded accrued liability of \$585,835,133 is funded over 29 years from December 31, 1970, allowing for annual increases of 4%, the annual instalment is \$20,201,211 or 2.27% of the adjusted total payroll of \$889,728,618.

The unfunded liability of \$15,066,766 in the Supplemental Retirement Allowance Account should be funded in equal annual instalments from December 31, 1970. This is equivalent to level annual payments of \$1,147,166, or 0.13% of the total payroll of \$889,728,618.

ACTUARIAL BALANCE SHEET SHOWING PRESENT AND PROSPECTIVE ASSETS AND LIABILITIES  
of STATE EMPLOYEES' RETIREMENT SYSTEM as of DECEMBER 31, 1970

A S S E T S

L I A B I L I T I E S

Present assets:

Members' Annuity Savings Account .....	\$ 375,330,561
Members' Annuity Reserve Account.....	104,441,418
State Police Members' Annuity Reserve Account.....	5,332,896
State Annuity Reserve Account.....	301,409,192
State Police Benefit Account.....	19,334,763
Enforcement Officers Benefit Account.....	1,887,858
State Annuity Accumulation Account.....	43,547,754
Miscellaneous.....	<u>42,138</u>

Total present assets (book value)..... \$ 851,326,580

Deficiencies in Accounts

State Police Benefit Account \$	12,135,768
Enforcement Officers Benefit Account.....	297,885

Present Value of Future Contributions

Members' Annuity Savings Account (Employe).....	\$ 361,869,126
State Annuity Accumulation Account (Employer).....	1,059,317,636
State Reserve Annuity Account Account (Employer).....	<u>15,066,766</u>
Total future assets.....	1,448,687,181

TOTAL ASSETS..... \$2,300,013,761

\*Total present assets (book value) distributed as follows:

Cash.....	\$ 758,985
Investments (net of amortization).....	806,758,458
Interest due and accrued.....	12,260,723
Members contribution in transit.....	3,502,801
Due from Commonwealth.....	<u>28,045,613</u>

Total present assets..... \$ 851,326,580

Present value of benefits payable on account of annuitants and beneficiaries from -

Members' Annuity Reserve Account:

Superannuation .....	\$ 90,540,834
Disability.....	3,238,620
Withdrawal.....	<u>10,661,964</u>
Total.....	\$ 104,441,418

State Police Members' Annuity Reserve Account.....

5,332,896

State Annuity Reserve Account:

Superannuation.....	\$ 259,430,151
Disability.....	9,622,057
Withdrawal.....	<u>32,356,984</u>
Total.....	301,409,192

Supplemental Retirement Allowance Account

15,066,766

State Police Benefit Account:

31,470,531

Enforcement Officers Benefit Account:

2,185,743

Total for annuitants and beneficiaries.. \$ 459,906,546

Present value of benefits to active and inactive members for -

Superannuation and withdrawal.....	\$1,383,985,696
Disability.....	68,426,282
Death.....	220,837,807
Refunds.....	<u>166,815,292</u>

Total for active and inactive members..... 1,840,065,077

Miscellaneous..... 42,138

TOTAL LIABILITIES..... \$2,300,013,761

PART IV - SUMMARY

In Part I of the report we presented the statements of assets, account balances and actuarial liabilities as of December 31, 1970. The actuarial liabilities were discussed in some detail.

In Part II we discussed the surplus or deficiency in each account and recommended transfers as of December 31, 1970 in order to bring each account into balance with the actuarial liability. These transfers can be summarized as follows:

<u>From</u>	<u>To</u>	<u>Amount</u>
Members' Annuity Reserve Account	State Annuity Accumulation Account	\$ 5,493,428
State Police Members' Annuity Reserve Account	State Police Benefit Account	\$ 537,912
State Annuity Reserve Account	State Annuity Accumulation Account	\$19,435,237

Using the adjusted account balances we developed, in Part III, 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. Arising out of this balance sheet we determined the following rates of employer contribution to the Retirement Fund.

Normal contribution rate - State Annuity Accumulation Account...	7.32%
Accrued liability contribution rate - State Annuity Accumulation Account.....	<u>2.27%</u>
Total contribution rate - State Annuity Accumulation Account....	<u>9.59%</u>
Accrued liability contribution rate - Supplemental Retirement Annuity Account.....	<u>0.13%</u>

APPENDIX - SCHEDULES OF MEMBERSHIP AS OF DECEMBER 31, 1970

The following schedules of the membership as of December 31, 1970 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 attained age in 1970 separated according to whether or not they are contributors or annuitants, whether original members or new members. 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 Schedule A, there are shown according to attained age and class of membership, the total number and annual salary of the male original members still remaining in active membership.

In Schedule B, there are shown according to attained age and class of membership, the total number and annual salary of the female original members still remaining in active membership.

In Schedule C, there are shown according to attained age and class of membership, the total number and annual salary of the male new members still remaining in active membership.

In Schedule D, there are shown according to attained age and class of membership, the total number and annual salary of the female new members still remaining in active membership.

In Schedule E, there is shown a summary of the four preceding schedules, including the total number of active members and the total annual salaries both by sex and by class.

In Schedule F, there are shown according to sex and attained age, the number of original members who are receiving superannuation annuities and the total amounts of members' annuities and State annuities.

In Schedule G, there are shown according to sex and attained age, the number of new members who are receiving superannuation annuities and the total amounts of members' annuities and State annuities.



In Schedule H, there are shown for original members according to sex and attained age, the number and amount of both the members' annuities and the State annuities being paid to surviving beneficiaries of superannuation annuitants. These are the beneficiaries of members who selected Option #1, #2, #3 or #4 and predeceased their beneficiaries. The amounts of annuities shown are the amounts being continued to the beneficiaries.

In Schedule I, there are shown for new members according to sex and attained age, the number and amount of both the members' annuities and the State annuities being paid to surviving beneficiaries of superannuation annuitants who selected Option #1, #2, #3 or #4 and predeceased their beneficiaries. The amounts of annuities shown are the amounts being continued to the beneficiaries.

In Schedule J, there are shown according to sex and attained age, the number of original members who are receiving disability annuities and the total amounts of members' annuities and State annuities.

In Schedule K, there are shown according to sex and attained age, the number of new members who are receiving disability annuities and the total amounts of members' annuities and State annuities.

In Schedule L, there are shown according to sex and attained age, the number of original members who are receiving withdrawal annuities and the total amount of members' annuities and State annuities.

In Schedule M, there are shown according to sex and attained age, the number of new members who are receiving withdrawal annuities and the total amount of members' annuities and State annuities.

In Schedule N, there are shown for original members, according to sex and attained age, the number and amount of both the members' annuities and the State annuities being paid to surviving beneficiaries of withdrawal annuitants who selected Option #1, #2, #3 or #4 and predeceased their beneficiaries. The amounts of annuities shown are the amounts being continued to the beneficiaries.

In Schedule O, there are shown for new members, according to sex and attained age, the number and amount of both the members' annuities and the State annuities being paid to surviving beneficiaries of withdrawal annuitants who selected Option #1, #2, #3 or #4 and predeceased their beneficiaries. The amounts of annuities shown are the amounts being continued to the beneficiaries.

In Schedule P, there is shown the summary of all annuities outstanding as of December 31, 1970 whether superannuation, disability or withdrawal and whether being paid to original members or new members or their survivors.

In Schedule Q, there is shown for comparison, the outstanding membership both active and annuitant as of June 30, 1965; June 30, 1966; June 30, 1967; June 30, 1968; June 30, 1969; and December 31, 1970.

The actuarial assumptions used in this valuation are shown in Schedule R.

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

ORIGINAL MEMBERS - MALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1970	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
52	-	-	\$ -	-	-	-	\$ -	-	-	-	-	-
54	-	-	-	-	-	1	16,987	-	-	1	16,987	-
58	-	-	-	-	-	1	24,752	-	-	1	24,752	-
60	-	-	-	-	-	1	7,200	1	35,496	2	42,696	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	1	-	6,390	-	-	-	-	-	-	1	6,390	-
63	1	-	20,316	-	-	1	-	1	30,000	2	50,316	-
64	3	-	35,238	-	-	1	-	1	30,000	4	65,238	-
65	3	-	55,733	-	-	-	-	-	-	3	55,733	-
66	1	-	14,657	-	-	-	-	1	30,496	2	45,153	-
67	3	-	43,572	-	-	-	-	-	-	3	43,572	-
68	1	-	12,268	-	-	-	-	2	65,496	3	77,764	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	3	-	35,612	-	-	-	-	-	-	3	35,612	-
71	1	-	7,772	-	-	-	-	-	-	1	7,772	-
72	1	-	13,301	-	-	-	-	-	-	1	13,301	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	1	-	7,772	-	-	-	-	-	-	1	7,772	-
77	-	-	-	-	-	1	7,200	-	-	1	7,200	-
80	-	-	-	-	-	-	-	-	-	-	-	-
82	-	-	-	-	-	-	-	1	31,800	1	31,800	-
Totals	19	-	\$252,631	-	-	4	\$56,139	7	\$223,288	30	\$532,058	-

SCHEDULE A

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

ORIGINAL MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1970	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
60	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	1	1	6,716	-	-	-	-	-	-	-	1	6,716
63	-	-	-	-	-	-	-	-	-	-	-	-
64	2	2	20,697	-	-	-	-	-	-	-	2	20,697
65	2	2	16,418	1	7,407	-	-	-	-	-	3	23,825
66	4	4	29,266	-	-	-	-	-	-	-	4	29,266
67	4	4	37,660	-	-	-	-	-	-	-	4	37,660
68	5	5	42,407	-	-	-	-	-	-	-	5	42,407
69	2	2	20,176	-	-	-	-	-	-	-	2	20,176
70	1	1	13,301	-	-	-	-	-	-	-	1	13,301
71	2	2	17,891	-	-	-	-	-	-	-	2	17,891
72	2	2	17,406	-	-	-	-	-	-	-	2	17,406
73	1	1	7,772	-	-	-	-	-	-	-	1	7,772
74	1	1	6,716	-	-	-	-	-	-	-	1	6,716
76	1	1	12,675	-	-	-	-	-	-	-	1	12,675
77	1	1	6,090	-	-	-	-	-	-	-	1	6,090
Totals	29	29	\$255,191	1	\$7,407	-	\$ -	-	\$ -	-	30	\$262,598

SCHEDULE B

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

NEW MEMBERS - MALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1970	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
18	126	\$ 549,526	-	-	-	-	-	-	-	-	126	\$ 549,526
19	428	1,970,178	-	-	-	-	-	-	-	-	428	1,970,178
20	589	2,829,775	-	-	-	-	-	-	-	-	589	2,829,775
21	697	3,587,269	-	-	-	-	-	-	-	-	697	3,587,269
22	922	5,168,574	-	-	-	46,967	-	-	-	-	929	5,215,541
23	1157	7,187,481	-	-	76	579,153	-	-	-	-	1233	7,766,634
24	1495	9,808,113	-	-	217	1,752,361	-	-	-	-	1712	11,560,474
25	1147	8,056,419	-	-	179	1,479,922	-	-	-	-	1326	9,536,341
26	1111	8,357,475	-	-	226	1,881,009	-	-	-	-	1337	10,238,484
27	1218	9,394,163	-	-	235	2,024,811	-	-	-	-	1453	11,418,974
28	1450	11,924,012	-	-	229	1,994,171	-	-	-	-	1679	13,918,183
29	1232	10,369,220	-	-	166	1,510,088	-	-	-	-	1398	11,879,308
30	1156	9,951,132	-	-	179	1,696,221	1	7,200	-	-	1336	11,654,553
31	1093	9,798,636	-	-	164	1,615,776	-	-	-	-	1257	11,414,412
32	1125	10,453,470	1	9,011	122	1,218,860	-	-	-	-	1248	11,681,341
33	1119	10,564,316	-	-	105	1,071,275	1	7,200	-	-	1225	11,642,791
34	1061	10,174,028	-	-	98	1,046,994	-	-	-	-	1159	11,221,022
35	1058	10,363,026	-	-	82	889,243	-	-	-	-	1140	11,252,269
36	1125	10,916,742	-	-	80	871,776	1	8,800	-	-	1206	11,797,318
37	1125	11,058,054	-	-	62	689,211	1	7,260	-	-	1188	11,754,525
38	1200	11,774,562	-	-	47	523,233	-	-	-	-	1247	12,297,795
39	1210	12,334,656	-	-	62	693,794	1	7,200	-	-	1273	13,035,650
40	1300	12,918,224	-	-	85	960,830	-	-	2	60,000	1387	13,939,054
41	1285	12,899,496	-	-	69	790,660	1	7,200	1	34,500	1356	13,731,856
42	1279	12,612,781	-	-	53	614,608	-	-	-	-	1332	13,227,389
43	1442	14,193,093	-	-	79	957,898	5	40,500	-	-	1526	15,191,491
44	1372	13,332,128	-	-	87	1,027,908	5	53,000	1	30,000	1465	14,443,036

SCHEDULE C (1)

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

NEW MEMBERS - MALE

<u>CLASS</u>	<u>A</u>		<u>B</u>		<u>C</u>		<u>D</u>		<u>E</u>		<u>GRAND TOTAL</u>		
	<u>Attained Age 1970</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>
45	1534		\$15,068,880	-	\$	89	\$1,068,756	-	\$	2	\$ 60,000	1625	\$16,197,636
46	1519		14,856,601	-	-	79	963,922	5	58,800	3	90,000	1606	15,969,323
47	1519		14,594,354	-	-	80	967,954	2	14,400	2	60,000	1603	15,636,708
48	1550		14,896,196	-	-	74	888,273	5	36,000	3	90,000	1632	15,910,469
49	1610		15,383,024	-	-	50	587,827	6	43,200	-	-	1666	16,014,051
50	1606		14,960,516	-	-	50	624,774	5	44,100	1	27,996	1662	15,657,386
51	1601		14,673,558	-	-	47	558,653	4	28,800	3	77,801	1655	15,338,812
52	1535		13,486,161	-	-	23	301,486	4	28,800	3	91,488	1565	13,907,935
53	1638		14,731,603	-	-	16	204,583	4	56,596	2	60,000	1660	15,052,782
54	1708		15,205,451	1	6,716	33	430,115	13	107,401	3	70,696	1758	15,820,379
55	1636		14,126,950	-	-	35	470,492	1	7,200	4	128,996	1676	14,733,638
56	1774		15,560,896	-	-	36	499,091	2	27,159	5	150,992	1817	16,238,138
57	1791		15,416,187	-	-	28	387,192	5	44,187	2	56,992	1826	15,904,558
58	1777		15,114,748	-	-	19	250,634	2	14,400	3	95,496	1801	15,475,278
59	1809		15,440,742	-	-	12	149,653	9	68,554	-	-	1830	15,658,949
60	1724		14,616,522	1	9,846	1	12,894	2	14,400	2	60,000	1730	14,713,662
61	1701		14,313,514	-	-	1	5,529	2	14,400	4	119,696	1708	14,453,139
62	1376		11,662,406	2	22,112	2	16,769	2	14,400	3	93,792	1385	11,809,479
63	1281		10,746,088	3	29,822	2	32,496	2	14,400	6	163,052	1294	10,985,858
64	1098		9,111,513	2	22,909	1	5,803	6	43,200	2	67,500	1109	9,250,925
65	950		7,787,382	1	9,846	2	19,443	2	14,400	4	127,500	959	7,958,571
66	637		5,081,379	1	8,721	-	-	1	7,200	5	150,496	644	5,247,796
67	468		3,748,820	-	-	-	-	1	7,200	4	121,900	473	3,877,920
68	385		3,052,812	-	-	-	-	1	15,200	3	87,696	389	3,155,708
69	264		2,345,506	-	-	1	6,090	1	12,988	4	123,696	270	2,488,280

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

NEW MEMBERS - MALE

<u>CLASS</u>	<u>A</u>		<u>B</u>		<u>C</u>		<u>D</u>		<u>E</u>		<u>GRAND TOTAL</u>		
	<u>Attained Age 1970</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>Annual Salary</u>	
70	247	1	\$ 2,014,737	1	\$ 13,979	-	\$ -	1	\$ 7,200	5	\$ 142,488	254	\$ 2,178,404
71	170	-	1,346,612	-	-	-	-	3	25,200	2	60,992	175	1,432,804
72	141	-	1,085,511	-	-	-	-	1	7,200	2	57,000	144	1,149,711
73	93	-	765,348	-	-	-	-	-	-	2	63,496	95	828,844
74	73	-	669,657	-	-	-	-	-	-	1	30,184	74	699,841
75	47	-	352,716	-	-	-	-	-	-	2	60,000	49	412,716
76	47	-	456,893	-	-	-	-	-	-	1	30,496	48	487,389
77	32	-	275,336	-	-	-	-	1	7,200	-	-	33	282,536
78	33	-	256,606	-	-	-	-	-	-	3	98,492	36	355,098
79	22	-	150,096	-	-	-	-	-	-	2	23,332	24	173,428
80	14	-	85,648	-	-	-	-	-	-	1	30,000	15	115,648
81	9	-	62,227	-	-	-	-	-	-	-	-	9	62,227
82	10	-	58,560	-	-	-	-	-	-	-	-	10	58,560
83	4	-	36,865	-	-	-	-	-	-	-	-	4	36,865
84	3	-	19,221	-	-	-	-	-	-	1	30,496	4	49,717
85	2	-	11,489	-	-	-	-	-	-	-	-	2	11,489
86	4	-	28,957	-	-	-	-	-	-	-	-	4	28,957
87	2	-	12,092	-	-	-	-	-	-	-	-	2	12,092
89	1	-	5,529	-	-	-	-	-	-	-	-	1	5,529
<b>Total</b>	<b>64967</b>	<b>13</b>	<b>\$566,222,458</b>	<b>3390</b>	<b>\$132,962</b>	<b>3390</b>	<b>\$34,389,198</b>	<b>109</b>	<b>\$922,545</b>	<b>99</b>	<b>\$2,927,261</b>	<b>68578</b>	<b>\$604,594,424</b>

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

NEW MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1970	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
18	439	\$1,881,549	-	-	-	-	-	-	-	-	439	\$1,881,549
19	984	4,425,909	-	-	-	-	-	-	-	-	984	4,425,909
20	1,216	5,697,105	-	-	-	-	-	-	-	-	1,216	5,697,105
21	1,181	5,782,986	-	-	-	-	-	-	-	-	1,181	5,782,986
22	1,496	8,009,995	-	-	-	-	-	-	-	-	1,496	8,009,995
23	1,563	8,950,441	-	-	-	-	-	-	-	-	1,563	8,950,441
24	1,571	9,470,839	-	-	-	-	-	-	-	-	1,571	9,470,839
25	1,055	6,626,460	-	-	-	-	-	-	-	-	1,055	6,626,460
26	884	5,785,109	-	-	-	-	-	-	-	-	884	5,785,109
27	844	5,403,462	-	-	-	-	-	-	-	-	844	5,403,462
28	865	5,542,555	-	-	-	-	-	-	-	-	865	5,542,555
29	681	4,386,270	-	-	-	-	-	-	-	-	681	4,386,270
30	614	4,005,916	-	-	-	-	-	-	-	-	614	4,005,916
31	561	3,593,664	-	-	-	-	-	-	-	-	561	3,593,664
32	575	3,769,839	-	-	2	16,783	-	-	-	-	577	3,786,622
33	553	3,665,267	-	-	1	7,055	-	-	-	-	554	3,672,322
34	537	3,478,087	-	-	-	-	-	-	-	-	537	3,478,087
35	515	3,371,742	-	-	-	-	-	-	-	-	515	3,371,742
36	590	3,865,634	-	-	1	7,407	-	-	-	-	591	3,873,041
37	585	3,786,846	-	-	2	14,110	-	-	-	-	587	3,800,956
38	627	4,105,771	-	-	-	-	-	-	-	-	627	4,105,771
39	672	4,492,755	-	-	1	11,684	-	-	-	-	673	4,504,439
40	747	4,880,109	-	-	1	9,011	-	-	-	-	748	4,889,120
41	739	4,798,877	-	-	1	7,407	-	-	-	-	740	4,806,284
42	814	5,307,779	-	-	-	-	-	-	-	-	814	5,307,779
43	866	5,679,487	-	-	-	-	-	-	-	-	866	5,679,487
44	940	6,368,194	-	-	-	-	-	-	-	-	940	6,368,194

SCHEDULE D (1)



ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

NEW MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL
	Attained Age 1970	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	
45	1,014	\$6,702,547	-	-	\$-	-	\$-	-	-	1,014	\$6,702,547
46	1,041	6,657,497	-	-	-	-	-	-	-	1,043	6,671,064
47	1,096	7,297,137	-	-	13,567	-	-	-	-	1,096	7,297,137
48	1,159	7,627,546	-	-	-	-	-	-	-	1,161	7,646,224
49	1,098	7,061,199	-	-	18,678	-	-	-	-	1,098	7,061,199
50	1,231	8,168,667	-	-	7,177	-	-	-	-	1,232	8,175,844
51	1,254	8,275,359	-	-	15,296	-	-	-	-	1,256	8,290,655
52	1,144	7,618,241	-	-	15,304	2	14,400	1	30,000	1,149	7,677,945
53	1,109	7,391,319	-	-	15,401	-	-	-	-	1,111	7,406,720
54	1,150	7,656,368	-	-	7,055	-	-	-	-	1,151	7,663,423
55	1,228	8,204,072	-	-	6,716	1	7,200	-	-	1,230	8,217,988
56	1,205	8,196,958	-	-	7,407	-	-	-	-	1,206	8,204,365
57	1,160	7,894,571	1	6,197	9,454	1	9,712	-	-	1,163	7,919,934
58	1,124	7,776,222	-	-	-	-	-	-	-	1,124	7,776,222
59	1,002	7,072,627	-	-	-	-	-	-	-	1,002	7,072,627
60	954	6,722,858	-	-	14,230	2	7,200	-	-	957	6,744,288
61	819	5,849,626	-	-	13,432	-	-	-	-	821	5,863,058
62	685	4,735,996	-	-	19,535	-	-	-	-	688	4,755,531
63	568	3,962,447	-	-	-	-	-	-	-	568	3,962,447
64	427	2,860,262	-	-	-	-	-	-	-	427	2,860,262
65	293	2,029,558	-	-	23,569	3	-	-	-	296	2,053,127
66	230	1,625,867	-	-	-	-	-	-	-	230	1,625,867
67	161	1,111,062	-	-	-	-	-	-	-	161	1,111,062
68	121	873,254	-	-	6,197	1	-	-	-	122	879,451
69	61	398,128	-	-	-	-	-	-	-	61	398,128

SCHEDULE D (2)

ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

NEW MEMBERS - FEMALE

<u>CLASS</u>	<u>A</u>		<u>B</u>		<u>C</u>		<u>D</u>		<u>E</u>		<u>GRAND TOTAL</u>	
	<u>Attained Age 1970</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>No.</u>	<u>Annual Salary</u>	<u>Annual Salary</u>
70	63	\$ 426,885	-	\$ -	-	\$ -	2	\$15,500	-	\$ -	65	\$ 442,385
71	65	435,268	-	-	-	-	-	-	-	-	65	435,268
72	43	284,999	-	-	-	-	-	-	-	-	43	284,999
73	33	210,868	-	-	-	-	-	-	-	-	33	210,868
74	20	148,008	-	-	-	-	-	-	-	-	20	148,008
75	10	65,138	-	-	-	-	-	-	-	-	10	65,138
76	6	32,497	-	-	-	-	-	-	-	-	6	32,497
77	13	77,970	1	9,011	-	-	-	-	-	-	14	86,981
78	8	61,667	-	-	-	-	-	-	-	-	8	61,667
79	3	17,854	-	-	-	-	-	-	-	-	3	17,854
80	4	25,935	-	-	-	-	-	-	-	-	4	25,935
81	4	35,728	-	-	-	-	-	-	-	-	4	35,728
82	1	5,529	-	-	-	-	-	-	-	-	1	5,529
83	1	3,049	-	-	-	-	-	-	-	-	1	3,049
87	1	5,007	-	-	-	-	-	-	-	-	1	5,007
88	1	4,773	-	-	-	-	-	-	-	-	1	4,773
<b>Totals</b>	<b>44,324</b>	<b>\$282,743,210</b>	<b>2</b>	<b>\$15,208</b>	<b>35</b>	<b>\$266,475</b>	<b>7</b>	<b>\$54,012</b>	<b>1</b>	<b>\$30,000</b>	<b>44,369</b>	<b>\$283,108,905</b>

SUMMARY OF ACTIVE MEMBERSHIP as of DECEMBER 31, 1970

	<u>ORIGINAL MEMBERS</u>		<u>NEW MEMBERS</u>		<u>TOTAL MEMBERS</u>	
	<u>Number</u>	<u>Annual Salary</u>	<u>Number</u>	<u>Annual Salary</u>	<u>Number</u>	<u>Annual Salary</u>
<u>By Sex</u>						
Male.....	30	\$532,058	68,578	\$604,594,424	68,608	\$605,126,482
Female.....	30	262,598	44,369	283,108,905	44,399	283,371,503
Total.....	<u>60</u>	<u>\$794,656</u>	<u>112,947</u>	<u>\$887,703,329</u>	<u>113,007</u>	<u>\$888,497,985</u>
<u>By Class</u>						
A.....	48	\$507,822	109,291	\$848,965,668	109,339	\$849,473,490
B.....	1	7,407	15	148,170	16	155,577
C.....	0	0	3,425	34,655,673	3,425	34,655,673
D.....	4	56,139	116	976,557	120	1,032,696
E.....	<u>7</u>	<u>223,288</u>	<u>100</u>	<u>2,957,261</u>	<u>107</u>	<u>3,180,549</u>
Total.....	<u>60</u>	<u>\$794,656</u>	<u>112,947</u>	<u>\$887,703,329</u>	<u>113,007</u>	<u>\$888,497,985</u>

SCHEDULE E

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1970

ORIGINAL MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
53	1	\$ 719.05	\$ 6,842.68	-	\$ -	\$ -
57	-	-	-	-	-	-
59	1	454.82	2,800.70	-	-	-
60	1	922.42	3,027.79	-	-	-
61	2	142.46	5,837.38	-	-	-
62	2	90.62	5,074.91	-	-	-
63	4	2,701.04	30,383.27	2	1,470.78	5,371.79
64	9	5,274.33	39,317.14	4	3,089.12	15,408.83
65	7	6,168.50	34,815.00	19	12,436.24	67,578.68
66	14	14,154.21	74,145.01	14	8,826.14	43,941.14
67	31	26,870.28	164,405.71	19	9,449.36	42,110.22
68	24	20,685.57	110,585.85	24	13,646.23	57,628.62
69	31	28,981.04	129,372.75	24	17,250.56	68,504.38
70	33	33,557.93	159,736.32	22	15,453.13	66,944.28
71	55	48,879.00	218,413.82	32	24,302.99	83,548.63
72	32	30,109.10	107,363.98	37	25,168.10	85,666.26
73	54	57,925.52	214,239.26	30	19,954.14	64,921.22
74	36	34,126.12	109,210.21	22	14,239.41	42,346.65
75	53	46,608.15	149,384.72	28	18,088.45	55,573.65
76	47	37,308.37	119,132.21	25	14,562.30	39,250.78
77	51	58,303.48	162,788.73	22	14,955.89	37,328.06
78	37	34,179.06	98,401.55	21	12,371.36	32,642.26
79	37	40,778.91	108,424.84	22	14,150.57	40,956.91
80	32	42,535.36	90,753.45	16	11,325.27	28,849.70
81	25	22,248.92	48,156.07	16	9,931.49	26,217.72
82	27	21,012.91	45,777.89	12	7,582.07	18,962.93
83	17	14,066.37	32,490.68	13	10,755.83	20,702.71
84	22	22,048.64	44,251.06	11	7,537.10	16,184.75
85	17	20,150.45	33,533.24	9	5,213.72	10,569.60
86	12	17,470.10	23,489.90	9	5,559.46	9,885.41
87	7	9,179.59	16,755.34	8	5,576.89	9,072.41
88	2	1,994.96	3,445.66	7	4,586.77	7,302.80
89	5	2,220.72	4,657.50	3	3,885.99	6,045.00
90	6	6,547.44	7,389.08	5	2,454.13	3,615.38
91	6	7,038.43	12,551.38	-	-	-
92	2	2,064.37	2,555.60	2	689.98	1,274.53
93	5	9,665.57	9,349.14	-	-	-
94	1	103.68	285.57	-	-	-
95	3	1,676.38	4,830.74	1	2,604.22	1,203.99
96	2	1,297.98	2,280.33	-	-	-
97	2	733.90	1,315.80	-	-	-
99	1	5,229.34	7,870.61	-	-	-
102	1	233.45	294.77	-	-	-
Totals	<u>757</u>	<u>\$736,458.54</u>	<u>\$2,445,737.64</u>	<u>479</u>	<u>\$317,117.69</u>	<u>\$1,009,609.29</u>

SCHEDULE F

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1970

NEW MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
39	-	\$ -	\$ -	1	\$ 410.08	\$ 53.12
46	2	1,860.89	12,450.64	-	-	-
47	1	731.13	341.78	-	-	-
50	-	-	-	-	-	-
51	7	4,463.66	32,800.14	2	917.82	821.43
52	11	6,389.28	51,285.65	1	361.52	1,418.23
53	11	7,257.51	55,507.94	-	-	-
54	14	8,664.67	70,662.96	1	289.80	1,377.87
55	25	16,032.53	129,520.48	2	619.76	2,829.14
56	32	18,514.08	124,991.15	-	-	-
57	56	83,726.72	205,973.85	4	1,783.69	8,937.18
58	47	26,517.57	162,966.21	4	2,156.14	6,495.74
59	49	26,622.55	157,489.33	1	506.09	2,415.56
60	42	21,348.66	127,309.26	6	4,129.32	23,793.57
61	108	83,055.06	475,036.53	64	36,689.55	198,502.80
62	166	119,068.78	677,484.53	129	71,190.18	341,136.79
63	316	242,856.36	1,128,564.45	234	125,947.56	496,369.73
64	385	305,722.28	1,236,693.89	266	152,509.82	550,344.62
65	451	324,058.82	1,356,240.89	278	154,872.43	521,478.13
66	578	399,439.38	1,450,694.23	324	186,692.29	561,281.03
67	579	379,397.96	1,253,215.26	324	182,137.38	482,879.88
68	625	397,238.66	1,160,818.89	335	171,896.84	406,763.27
69	610	403,303.39	1,107,839.46	278	150,090.30	359,667.20
70	497	318,029.40	808,578.16	269	159,707.64	345,247.40
71	436	266,653.81	611,346.51	264	144,226.87	297,502.83
72	421	277,370.89	589,267.43	228	124,195.65	241,395.89
73	383	267,783.25	520,196.56	211	109,103.15	186,777.30
74	304	193,883.04	350,504.59	182	95,283.67	168,258.91
75	344	226,108.70	408,123.08	218	116,672.38	187,697.33
76	247	137,558.82	228,785.56	146	65,207.83	111,892.83
77	222	130,692.53	211,236.07	163	80,101.59	130,735.08
78	200	136,164.44	212,843.06	132	67,264.24	98,949.03
79	152	117,713.48	155,991.50	106	52,391.77	65,463.76
80	120	90,596.81	114,291.94	80	42,403.38	51,910.33
81	108	70,162.56	87,079.58	91	44,096.23	54,186.24
82	88	68,569.77	75,767.05	49	21,685.33	26,737.32
83	92	57,853.32	68,732.37	45	23,190.37	26,979.04
84	61	41,103.57	42,072.50	23	11,190.16	13,650.74
85	37	19,964.35	21,181.04	35	30,016.05	28,012.24
86	34	18,750.71	18,629.83	26	14,188.15	12,196.34
87	36	23,365.20	25,046.74	14	6,760.84	6,852.48
88	29	25,583.55	21,997.20	7	5,194.23	3,535.02
89	14	9,189.62	7,876.77	2	6,960.58	3,112.74
90	14	13,424.42	9,858.50	2	491.03	412.54
91	10	30,738.49	17,181.01	2	1,647.02	1,100.53
92	8	9,008.45	14,691.72	4	2,008.53	1,907.67
93	6	5,028.28	8,612.87	1	209.17	194.81
94	2	1,133.86	751.33	2	418.73	425.44
95	2	5,633.52	3,368.98	2	1,548.33	1,562.89
96	1	481.16	209.57	1	315.51	263.72
98	-	-	-	1	392.08	353.62
99	1	495.97	1,787.03	-	-	-
Totals	<u>7,984</u>	<u>\$5,439,311.91</u>	<u>\$15,613,896.07</u>	<u>4,560</u>	<u>\$2,470,071.08</u>	<u>\$6,033,879.36</u>

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1970  
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

ORIGINAL MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
25	1	\$ 609.52	\$3,027.08	-	\$ -	\$ -
41	-	-	-	-	-	-
43	-	-	-	1	788.88	1,939.56
44	-	-	-	2	1,535.76	6,205.80
48	-	-	-	1	238.56	817.80
50	-	-	-	1	160.09	417.61
53	-	-	-	1	186.00	638.04
55	-	-	-	1	1,255.99	7,475.21
58	-	-	-	-	-	-
59	-	-	-	4	3,057.41	4,329.73
60	-	-	-	2	1,034.47	2,900.20
61	-	-	-	4	1,539.75	6,398.97
62	-	-	-	1	826.68	2,304.96
63	-	-	-	2	1,503.02	6,041.24
64	-	-	-	1	468.36	1,733.52
65	-	-	-	3	1,809.25	5,792.72
66	-	-	-	2	1,429.08	3,225.67
67	2	456.84	1,194.27	6	2,290.48	8,123.06
68	-	-	-	4	1,974.37	9,827.15
69	-	-	-	6	4,355.60	14,159.84
70	-	-	-	9	3,943.27	12,972.64
71	-	-	-	6	5,338.93	14,078.12
72	-	-	-	9	3,205.34	10,379.98
73	-	-	-	9	5,644.36	17,536.77
74	-	-	-	9	5,830.05	22,402.00
75	-	-	-	6	4,177.07	9,218.43
76	-	-	-	15	11,344.15	25,376.20
77	-	-	-	9	5,619.20	17,269.69
78	-	-	-	10	5,040.91	9,455.43
79	-	-	-	9	4,449.92	13,126.82
80	-	-	-	8	3,582.17	8,734.43
81	-	-	-	7	8,180.38	13,095.00
82	-	-	-	6	5,847.57	13,214.96
83	-	-	-	4	2,743.35	4,935.61
84	-	-	-	6	5,396.05	7,089.63
85	-	-	-	6	2,809.42	5,852.15
86	-	-	-	10	3,948.46	7,379.08
87	-	-	-	3	2,810.58	5,444.59
88	-	-	-	5	1,713.62	4,085.41
89	-	-	-	2	2,024.61	2,621.97
90	-	-	-	-	-	-
91	-	-	-	2	1,526.71	1,946.44
92	-	-	-	2	1,337.51	3,637.69
93	-	-	-	1	144.21	360.60
Totals.	<u>3</u>	<u>\$1,066.36</u>	<u>\$4,221.35</u>	<u>195</u>	<u>\$121,111.59</u>	<u>\$312,544.72</u>

SCHEDULE H

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1970  
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

NEW MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
24	-	\$ -	\$ -	1	\$ 541.80	\$ 658.20
28	-	-	-	1	368.03	1,227.75
31	1	838.68	1,406.87	-	-	-
33	-	-	-	1	366.48	474.96
34	1	766.08	1,559.52	-	-	-
35	-	-	-	-	-	-
36	-	-	-	1	538.56	1,237.80
37	-	-	-	-	-	-
38	1	2,021.28	11,713.68	-	-	-
39	-	-	-	1	356.16	1,627.64
40	1	182.28	347.64	-	-	-
41	-	-	-	1	237.84	1,086.96
42	-	-	-	2	923.26	2,298.47
43	-	-	-	2	890.38	2,136.72
44	-	-	-	3	1,229.41	8,108.33
45	1	366.48	474.96	3	1,750.25	4,444.71
46	1	169.33	207.19	3	575.51	916.56
47	-	-	-	2	869.63	753.15
48	2	759.19	2,035.46	1	63.87	17.76
49	2	523.93	551.44	5	2,031.48	7,116.48
50	1	569.52	1,489.80	6	3,211.47	10,649.14
51	-	-	-	9	6,019.39	19,000.69
52	-	-	-	5	2,333.86	7,877.17
53	-	-	-	5	2,410.51	12,309.61
54	-	-	-	9	5,528.83	20,690.81
55	-	-	-	15	6,829.87	33,527.20
56	-	-	-	13	6,905.02	24,470.03
57	-	-	-	15	5,811.41	25,403.01
58	-	-	-	13	9,981.94	24,107.18
59	1	408.60	1,185.84	22	16,176.40	48,685.86
60	2	1,340.94	5,392.96	30	21,775.65	72,125.93
61	1	1,058.28	1,556.76	24	22,605.63	65,428.02
62	1	169.92	491.04	29	18,361.02	53,895.18
63	-	-	-	52	31,756.72	92,838.95
64	2	1,052.21	1,913.37	31	15,946.97	47,119.46
65	-	-	-	35	20,027.75	45,666.97
66	-	-	-	41	28,137.55	79,103.70
67	-	-	-	45	28,741.95	58,049.04
68	4	1,793.85	4,345.33	47	31,154.86	84,310.10
69	2	612.69	1,097.17	46	26,358.36	53,312.64
70	-	-	-	51	28,800.53	62,532.86
71	1	257.88	476.76	40	22,046.13	47,079.62
72	1	448.80	1,809.60	25	10,358.23	19,254.46
73	1	937.80	3,246.48	42	23,438.16	53,318.89
74	-	-	-	38	22,610.05	46,569.76

SCHEDULE I (1)

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1970  
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

<u>Attained Age 1970</u>	<u>NEW MEMBERS</u>					
	<u>M A L E</u>			<u>F E M A L E</u>		
	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>
75	1	\$ 511.20	\$ 865.80	41	\$ 17,559.58	\$ 30,750.73
76	1	1,560.96	1,449.96	41	24,369.76	39,510.90
77	-	-	-	26	13,739.74	28,791.97
78	1	793.00	1,557.85	29	21,018.03	30,484.27
79	1	498.65	646.86	20	10,765.19	14,495.95
80	1	6,703.96	15,454.98	26	14,689.35	21,870.14
81	1	387.37	496.18	17	8,582.93	12,369.43
82	-	-	-	24	10,362.89	14,317.20
83	-	-	-	15	11,672.92	21,597.78
84	-	-	-	12	11,777.24	14,523.46
85	-	-	-	14	12,770.55	13,633.75
86	-	-	-	11	9,816.46	7,683.24
87	-	-	-	7	3,299.08	4,161.25
88	-	-	-	4	1,081.82	834.65
89	-	-	-	3	1,280.24	2,474.39
90	-	-	-	2	1,279.68	1,156.01
91	-	-	-	4	2,454.49	2,643.20
92	-	-	-	1	589.82	544.55
95	-	-	-	1	821.28	2,229.60
<b>Totals</b>	<u>33</u>	<u>\$24,732.88</u>	<u>\$61,773.50</u>	<u>1,013</u>	<u>\$606,001.97</u>	<u>\$1,403,504.24</u>

SCHEDULE I (2)



DISABILITY ANNUITIES as of DECEMBER 31, 1970

ORIGINAL MEMBERS

<u>Attained Age 1970</u>	<u>M A L E</u>			<u>F E M A L E</u>		
	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>
48	1	\$ 11.38	\$ 2,526.22	-	\$ -	-
58	-	-	-	-	-	-
59	-	-	-	-	-	-
60	-	-	-	-	-	-
61	1	442.08	1,716.30	-	-	-
62	-	-	-	-	-	-
63	-	-	-	1	109.35	332.62
64	-	-	-	-	-	-
65	-	-	-	-	-	-
66	-	-	-	-	-	-
67	-	-	-	1	96.00	401.10
68	-	-	-	-	-	-
69	-	-	-	2	250.26	657.00
70	1	245.93	526.37	-	-	-
71	2	698.47	1,143.77	-	-	-
72	3	574.93	1,222.73	1	27.52	234.71
73	-	-	-	-	-	-
74	-	-	-	-	-	-
75	4	672.12	2,190.61	-	-	-
76	-	-	-	-	-	-
77	-	-	-	-	-	-
78	1	331.28	382.72	1	115.00	239.00
79	-	-	-	1	158.00	302.86
80	1	15.96	432.24	-	-	-
81	-	-	-	1	162.86	217.96
82	2	189.54	751.11	-	-	-
85	-	-	-	1	75.30	140.70
87	-	-	-	-	-	-
88	-	-	-	-	-	-
89	-	-	-	-	-	-
91	1	225.36	154.40	2	89.94	110.06
Totals	<u>17</u>	<u>\$3,407.05</u>	<u>\$11,046.47</u>	<u>11</u>	<u>\$1,084.23</u>	<u>\$2,636.01</u>

SCHEDULE J

DISABILITY ANNUITIES as of DECEMBER 31, 1970

NEW MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
27	1	\$ 194.44	\$ 1,685.59	-	\$ -	\$ -
29	-	-	-	-	-	-
30	1	181.34	1,914.74	1	126.30	990.00
31	2	251.26	2,443.12	-	-	-
32	1	224.69	1,630.24	-	-	-
33	1	120.99	1,333.74	1	117.82	1,122.10
36	1	45.13	1,826.40	2	260.89	2,438.13
37	-	-	-	1	191.97	1,242.85
38	5	894.61	6,960.23	1	77.43	933.75
39	4	891.82	5,923.46	1	145.73	1,817.07
40	1	94.17	983.92	4	751.44	5,162.40
41	1	196.55	1,765.15	1	337.39	1,397.60
42	7	1,725.34	9,572.00	3	590.85	3,265.34
43	2	535.91	2,806.97	2	239.79	2,354.27
44	2	618.91	2,359.05	2	204.95	1,604.36
45	4	958.61	6,214.40	-	-	-
46	7	3,197.48	14,983.36	3	794.57	3,121.77
47	12	3,853.28	18,095.47	3	504.08	3,026.54
48	12	3,825.38	21,095.24	11	2,855.39	13,179.28
49	6	1,806.39	7,537.50	11	3,887.36	13,899.33
50	4	1,694.48	6,404.18	6	1,327.96	6,636.36
51	10	3,905.92	14,343.43	14	5,519.33	16,835.44
52	16	4,093.21	22,023.43	12	3,399.87	14,821.91
53	24	7,592.76	31,870.80	13	4,411.76	15,959.55
54	11	3,897.64	14,068.57	15	3,905.08	13,944.56
55	16	7,048.11	22,383.63	11	4,045.27	15,200.37
56	38	15,458.81	51,127.45	23	5,436.36	19,831.69
57	20	7,572.53	29,347.99	23	10,547.23	31,121.42
58	38	16,698.86	48,478.94	29	13,134.68	31,411.05
59	45	19,217.94	52,332.31	32	10,499.19	30,112.68
60	39	17,805.88	38,605.66	28	9,834.32	25,594.85
61	22	7,443.49	15,113.78	29	12,494.29	24,253.27
62	22	6,569.48	15,555.25	25	9,321.31	16,596.67
63	25	6,941.17	17,827.25	22	8,409.83	14,812.01
64	25	8,099.02	18,284.71	11	3,674.16	6,603.36
65	21	6,979.61	13,692.79	15	5,374.61	8,674.40
66	14	4,987.02	9,028.30	10	3,009.75	4,533.24
67	23	7,250.18	14,299.10	11	2,986.44	5,913.42
68	4	2,008.68	3,041.28	4	759.26	2,016.72
69	1	75.91	120.01	5	1,462.51	1,548.19
70	9	2,541.64	5,727.53	5	1,367.52	2,590.58
71	2	381.47	892.97	3	541.81	925.75
72	1	35.79	444.33	3	636.50	1,899.23
73	2	737.72	1,150.03	4	937.47	1,622.46
74	2	513.70	996.19	3	577.99	1,393.41
75	-	-	-	2	265.90	666.97
76	3	979.68	1,674.51	2	1,022.33	1,121.61
77	1	175.28	413.73	-	-	-
78	-	-	-	-	-	-
79	1	291.58	266.42	1	69.38	279.74
80	1	78.12	383.05	1	134.91	219.10
82	-	-	-	1	102.64	178.82
83	1	343.72	330.19	-	-	-
84	-	-	-	1	142.16	222.74
<b>Totals</b>	<b>511</b>	<b>\$181,035.70</b>	<b>\$559,358.39</b>	<b>411</b>	<b>\$136,437.78</b>	<b>\$373,096.36</b>

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1970

ORIGINAL MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
51	1	\$ 615.97	\$ 5,622.05	-	\$ -	\$ -
57	-	-	-	-	-	-
58	-	-	-	-	-	-
59	-	-	-	1	156.56	286.38
60	3	436.02	1,607.49	1	612.24	2,752.41
61	2	253.48	549.43	-	-	-
62	1	895.84	1,388.61	-	-	-
63	1	213.54	2,490.59	-	-	-
64	3	514.93	1,463.23	2	321.11	828.62
65	2	794.22	2,622.30	7	1,476.58	4,231.52
66	6	1,339.33	5,069.58	5	863.79	2,829.33
67	6	2,062.01	7,532.41	8	2,057.47	5,997.88
68	6	1,424.50	4,490.97	5	1,401.26	5,143.66
69	8	2,228.79	7,845.66	6	1,575.92	4,351.88
70	13	3,897.76	12,498.83	5	1,647.51	5,705.67
71	9	3,432.54	17,064.01	6	1,579.57	6,823.85
72	6	1,632.49	6,779.78	7	1,878.98	5,495.87
73	11	3,919.09	14,817.89	6	1,411.16	4,211.22
74	12	6,766.93	21,968.00	3	505.79	1,611.41
75	10	3,889.98	12,136.18	4	929.16	3,467.91
76	5	1,179.10	3,760.76	3	1,093.97	2,276.48
77	3	1,428.06	4,193.89	5	699.21	1,806.75
78	3	746.60	1,502.80	4	527.16	1,170.62
79	3	861.93	1,397.74	4	1,247.42	5,421.55
80	3	1,351.02	3,644.42	1	96.25	98.36
81	4	1,392.75	3,586.20	2	408.09	761.78
82	4	2,290.76	5,062.09	3	508.12	923.44
83	2	1,035.70	2,384.66	4	416.24	1,020.03
84	-	-	-	3	358.95	413.87
85	-	-	-	2	218.61	297.18
86	1	634.55	806.22	-	-	-
87	2	702.33	2,097.12	4	505.28	1,005.38
88	-	-	-	1	432.07	405.74
89	-	-	-	-	-	-
94	-	-	-	1	275.01	813.11
Totals	<u>130</u>	<u>\$45,940.22</u>	<u>\$154,382.91</u>	<u>103</u>	<u>\$23,203.48</u>	<u>\$70,151.90</u>

SCHEDULE L

NEW MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
31	-	\$ -	\$ -	-	\$ -	\$ -
33	-	-	-	1	99.76	61.80
35	-	-	-	-	-	-
36	-	-	-	1	194.27	139.43
37	2	603.15	1,898.11	1	103.58	69.28
38	2	413.61	1,276.90	-	-	-
39	-	-	-	-	-	-
40	1	332.61	332.17	2	234.56	193.09
41	1	124.01	86.15	-	-	-
42	3	1,167.42	2,869.22	1	55.67	73.84
43	-	-	-	3	421.14	328.98
44	5	1,349.83	2,217.77	2	313.04	703.31
45	4	771.21	1,187.96	2	555.44	1,212.72
46	3	526.36	787.09	-	-	-
47	6	1,787.77	2,229.81	7	1,225.25	2,470.77
48	7	2,091.94	9,698.95	1	97.75	65.13
49	12	3,904.65	13,760.50	8	1,905.18	3,915.51
50	12	4,099.10	13,371.32	12	3,250.75	7,057.99
51	12	3,677.35	14,609.76	12	3,048.82	5,493.10
52	20	5,446.86	18,206.98	11	3,798.37	7,066.69
53	20	7,148.27	22,880.47	8	2,202.76	3,927.11
54	35	14,405.80	51,315.61	11	2,360.87	3,831.00
55	38	13,523.71	56,064.39	23	6,866.60	19,226.21
56	58	25,039.64	99,798.43	16	3,616.20	10,655.80
57	50	16,858.15	63,725.73	28	9,799.33	29,800.60
58	67	26,219.30	93,533.96	31	13,141.87	44,935.70
59	57	26,785.40	96,074.88	43	20,777.18	81,664.63
60	75	34,641.41	138,923.45	63	32,095.52	129,388.12
61	93	41,161.18	165,143.67	48	22,876.80	88,616.38
62	80	31,533.78	104,838.96	44	18,728.44	61,811.84
63	80	29,355.12	84,084.59	38	17,738.79	56,854.33
64	72	29,036.99	90,264.26	40	15,918.72	48,175.09
65	69	26,865.31	89,639.34	30	10,831.47	31,935.27
66	63	20,812.45	68,144.63	24	7,461.03	18,802.68
67	59	24,403.94	56,868.74	16	5,941.40	17,687.45
68	44	13,555.58	30,993.34	19	6,665.48	20,257.38
69	45	11,753.13	22,502.76	12	2,526.63	5,583.29
70	30	9,851.18	21,319.27	11	5,184.97	4,991.74
71	41	12,113.15	22,922.67	16	4,224.43	9,452.89
72	37	9,394.86	17,609.63	13	3,430.02	8,527.06
73	38	10,343.79	22,731.59	8	2,157.20	3,878.86
74	55	14,447.88	30,911.75	8	2,697.48	6,884.88
75	31	9,121.28	20,450.49	6	1,067.65	2,179.01
76	9	2,229.14	5,189.18	2	414.49	957.13
77	2	677.80	2,688.31	1	288.41	804.40
78	1	1,511.10	2,696.06	1	220.64	1,106.99
79	3	560.23	516.97	-	-	-
80	2	1,143.06	1,145.44	1	94.33	94.29
81	2	283.06	1,257.06	1	403.18	538.40
82	-	-	-	-	-	-
83	1	241.83	201.20	1	140.16	159.82
86	-	-	-	1	347.19	416.72
87	-	-	-	1	99.27	77.60
88	1	613.18	1,154.82	-	-	-
89	1	121.46	106.89	-	-	-
Totals	<u>1,349</u>	<u>\$492,048.03</u>	<u>\$1,568,231.23</u>	<u>629</u>	<u>\$235,622.09</u>	<u>\$742,074.31</u>

WITHDRAWAL ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1970  
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

ORIGINAL MEMBERS

<u>Attained Age 1970</u>	<u>M A L E</u>			<u>F E M A L E</u>		
	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>
48	-	-	-	-	\$ -	\$ -
55	-	-	-	-	-	-
59	-	-	-	1	826.02	2,396.92
60	-	-	-	-	-	-
61	-	-	-	-	-	-
62	-	-	-	1	284.26	1,307.46
63	-	-	-	3	436.69	1,386.07
64	-	-	-	1	286.37	608.31
65	-	-	-	2	408.67	1,650.76
66	-	-	-	-	-	-
67	-	-	-	1	421.85	855.47
68	-	-	-	1	476.85	1,764.67
69	-	-	-	2	1,956.65	3,407.76
70	-	-	-	2	870.05	2,623.62
71	-	-	-	1	729.90	1,807.31
72	-	-	-	-	-	-
73	-	-	-	-	-	-
74	-	-	-	1	636.79	1,914.19
75	-	-	-	2	513.83	742.90
76	-	-	-	2	2,599.05	6,934.29
77	-	-	-	-	-	-
78	-	-	-	1	756.77	1,196.94
79	-	-	-	-	-	-
81	-	-	-	1	233.12	468.08
82	-	-	-	1	367.68	704.48
83	-	-	-	1	591.81	1,240.47
90	-	-	-	1	57.81	375.85
<b>Totals</b>	<u>-</u>	<u>-</u>	<u>-</u>	<u>25</u>	<u>\$12,454.17</u>	<u>\$31,385.55</u>

SCHEDULE N

WITHDRAWAL ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1970  
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

NEW MEMBERS

Attained Age 1970	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
18	1	\$ 136.92	\$ 411.60	-	\$ -	\$ -
21	-	-	-	2	702.84	2,819.52
27	1	39.55	117.11	-	-	-
28	-	-	-	1	803.16	1,558.68
30	-	-	-	1	606.96	1,053.48
32	1	123.96	337.20	-	-	-
33	1	556.08	1,628.40	-	-	-
35	-	-	-	1	299.76	437.01
37	-	-	-	1	29.72	3,880.80
38	-	-	-	4	1,507.20	3,972.24
40	-	-	-	2	699.36	656.52
42	-	-	-	1	432.00	597.00
43	-	-	-	3	2,622.36	3,310.80
44	-	-	-	3	1,212.84	1,172.88
45	-	-	-	3	1,447.80	1,244.64
46	-	-	-	3	2,285.99	7,127.05
47	-	-	-	5	4,019.40	9,469.08
48	-	-	-	6	5,094.24	8,043.84
49	-	-	-	1	199.80	322.20
50	-	-	-	10	6,091.20	12,139.32
51	-	-	-	6	4,361.28	11,049.60
52	1	516.96	1,262.64	9	6,777.44	21,771.95
53	-	-	-	7	5,469.35	15,976.87
54	-	-	-	13	9,247.68	19,025.04
55	-	-	-	10	5,459.72	12,113.20
56	1	624.84	2,030.88	13	8,792.84	38,415.44
57	-	-	-	11	7,891.08	27,808.68
58	1	466.32	974.16	17	14,943.42	60,792.35
59	-	-	-	20	9,982.96	28,224.01
60	1	855.48	1,748.64	10	5,440.78	16,357.42
61	-	-	-	17	7,937.76	24,367.87
62	2	581.52	1,035.24	18	10,314.53	31,221.28
63	2	2,310.96	5,265.96	17	10,283.24	23,167.53
64	2	1,075.08	2,899.22	10	6,421.96	20,018.51
65	-	-	-	13	4,151.70	11,508.12
66	1	371.76	1,579.68	17	7,192.19	21,409.98
67	1	1,426.44	2,056.68	13	5,400.63	16,514.76
68	-	-	-	11	5,763.17	13,185.11
69	-	-	-	4	1,825.46	6,216.05
70	1	462.72	1,965.96	2	1,036.56	3,479.57
71	-	-	-	5	1,005.32	2,121.79
72	-	-	-	3	755.26	1,652.00
73	-	-	-	1	392.80	653.01
74	-	-	-	-	-	-
75	-	-	-	2	525.59	936.99
76	-	-	-	1	570.59	2,229.54
77	-	-	-	1	319.54	525.94
78	-	-	-	1	189.59	920.63
84	-	-	-	3	5,591.16	10,495.80
85	-	-	-	1	712.32	1,542.12
Totals	<u>17</u>	<u>\$9,548.59</u>	<u>\$23,313.37</u>	<u>303</u>	<u>\$176,810.55</u>	<u>\$501,506.22</u>

SUMMARY OF ANNUITIES as of DECEMBER 31, 1970

	<u>O R I G I N A L M E M B E R S</u>			<u>N E W M E M B E R S</u>		
	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>	<u>Number</u>	<u>Member's Annuity</u>	<u>State Annuity</u>
<u>Superannuation</u>						
Male.....	757	\$ 736,458.54	\$2,445,737.64	7,984	\$5,439,311.91	\$15,613,896.00
Female.....	479	317,117.69	1,009,609.29	4,560	2,470,071.08	6,033,879.33
Surviving Beneficiaries:						
Options #1, #2, #3 or #4:						
Female.....	195	121,111.59	312,544.72	1,013	606,001.97	1,403,504.22
Male.....	3	1,066.36	4,221.35	33	24,732.88	61,773.55
<u>Total.....</u>	<u>1,434</u>	<u>\$1,175,754.18</u>	<u>\$3,772,113.00</u>	<u>13,590</u>	<u>\$8,540,117.84</u>	<u>\$23,113,053.11</u>
<u>Disability</u>						
Male.....	17	\$ 3,407.05	\$ 11,046.47	511	\$ 181,035.70	\$ 559,358.33
Female.....	11	1,084.23	2,636.01	411	136,437.78	373,096.33
<u>Total.....</u>	<u>28</u>	<u>\$ 4,491.28</u>	<u>\$ 13,682.48</u>	<u>922</u>	<u>\$ 317,473.48</u>	<u>\$ 932,454.77</u>
<u>Withdrawal</u>						
Male.....	130	\$ 45,940.22	\$ 154,382.91	1,349	\$ 492,048.03	\$ 1,568,231.22
Female.....	103	23,203.48	70,151.90	629	235,622.09	742,074.33
Surviving Beneficiaries:						
Options #1, #2, #3 or #4:						
Female.....	25	12,454.17	31,385.55	303	176,810.55	501,506.22
Male.....	-	-	-	17	9,548.59	23,313.33
<u>Total.....</u>	<u>258</u>	<u>\$ 81,597.87</u>	<u>\$ 255,920.36</u>	<u>2,298</u>	<u>\$ 914,029.26</u>	<u>\$ 2,835,125.11</u>
<u>TOTAL ANNUITIES.....</u>	<u>1,720</u>	<u>\$1,261,843.33</u>	<u>\$4,041,715.84</u>	<u>16,810</u>	<u>\$9,771,620.58</u>	<u>\$26,880,633.00</u>
Total Annuities Payable to Original and New Members:						
Member's Annuity.....	18,530					
State Annuity.....						
<u>TOTAL.....</u>	<u>18,530</u>	<u>\$11,033,463.91</u>	<u>\$30,922,348.89</u>	<u>18,530</u>	<u>\$41,955,812.80</u>	<u>\$72,980,812.80</u>

	C c m p a r i s o n o f M e m b e r s h i p					
	As of June 30, 1965		As of June 30, 1966		As of June 30, 1967	
	Number	Salary	Number	Salary	Number	Salary
<u>ORIGINAL MEMBERS - ACTIVE</u>						
Male.....	194	\$ 2,106,420	151	\$ 1,862,183	107	\$ 1,523,329
Female.....	149	850,616	117	773,710	92	650,124
Total Membership and Salaries -						
Original Members.....	343	\$ 2,957,036	268	\$ 2,635,893	199	\$ 2,173,453
<u>NEW MEMBERS - ACTIVE</u>						
Male.....	56,033	\$308,832,414	58,459	\$366,406,330	58,495	\$401,795,981
Female.....	33,295	130,834,310	35,318	158,840,862	36,443	182,303,068
Total Membership and Salaries						
New Members.....	89,328	\$439,666,724	93,777	\$525,247,192	94,938	\$584,099,049
Total Membership and Salaries						
Original and New Members.....	89,671	\$442,623,760	94,045	\$527,883,085	95,137	\$586,272,502
<u>ANNUITANTS</u>						
Original Members.....	1,992		2,039		1,967	
New Members.....	10,759		11,322		12,610	
Total annuitants.....	12,751		13,361		14,577	
TOTAL MEMBERSHIP.....	102,422		107,405		109,714	

SCHEDULE Q (1)



	C o m p a r i s o n o f M e m b e r s h i p					
	As of June 30, 1968		As of June 30, 1969		As of December 31, 1970	
	Number	Salary	Number	Salary	Number	Salary
<u>ORIGINAL MEMBERS - ACTIVE</u>						
Male.....	99	\$ 1,396,321	61	\$ 869,887	30	\$ 532,058
Female.....	76	566,479	44	330,812	30	262,598
<u>Total Membership and Salaries -</u>						
<u>Original Members.....</u>	175	\$ 1,962,800	105	\$ 1,200,699	60	\$ 794,656
<u>NEW MEMBERS - ACTIVE</u>						
Male.....	64,506	\$445,315,286	66,080	\$499,489,476	68,578	\$604,594,424
Female.....	36,953	189,532,189	42,011	231,529,290	44,369	283,108,905
<u>Total Membership and Salaries -</u>						
<u>New Members.....</u>	101,459	\$634,847,475	108,091	\$731,018,766	112,947	\$887,703,329
<u>Total Membership and Salaries -</u>						
<u>Original and New Members.....</u>	101,634	\$635,810,275	108,196	\$732,219,465	113,007	\$888,497,985
<u>ANNUITANTS</u>						
Original Members.....	1,810		1,758		1,720	
New Members.....	13,537		14,950		16,810	
<u>Total Annuityants.....</u>	15,347		16,708		18,530	
<u>TOTAL MEMBERSHIP.....</u>	116,981		124,904		131,537	

SCHEDULE Q (2)

ACTUARIAL ASSUMPTIONS

Interest Rate: 4% per annum, compounded annually, which is the statutory interest rate.

Service Tables: Service tables for active members based on the experience of the Retirement System in 1962-65, with values at specimen ages in 5 separate classes as follows:

CLASS	AGE	RATES OF SEPARATION DUE TO				SALARY SCALE
		Withdrawal	Death	Disability	Retirement	
A and B (MALE)	25	.17556	.00076	.00005	-	\$4,065
	35	.01249	.00137	.00007	.00032	5,500
	45	.08541	.00358	.00094	.00129	5,630
	55	.07212	.01044	.00207	.00923	5,675
	65	-	.02442	-	.19765	5,700
A and B (Female)	25	.19629	.00062	.00005	-	3,620
	35	.08451	.00099	.00041	.00042	4,150
	45	.05180	.00200	.00121	.00138	4,350
	55	.03817	.00648	.00284	.00774	4,400
	65	-	.01556	-	.20984	4,400
C (MALE and FEMALE)	25	.01908	.00076	.00005	-	5,575
	35	.00526	.00137	.00007	.00218	6,455
	45	.00188	.00358	.00094	.01740	7,100
	55	.00066	.01044	.00207	.20451	7,450
	65	-	.02442	-	.31546	7,500
D (MALE and FEMALE)	25	-	.00076	.00005	-	-
	35	.07492	.00137	.00007	-	-
	45	.01878	.00358	.00094	.03478	-
	55	.00303	.01044	.00207	.13912	-
	65	-	.02442	-	.14447	-
E (MALE and FEMALE)	25	-	.00076	.00005	-	-
	35	.01619	.00137	.00007	-	-
	45	.00898	.00358	.00094	-	-
	55	.00397	.01044	.00207	.01260	-
	65	-	.02442	-	.02811	-

\*No salary increases assumed for Class D or for Class E.

Superannuation and Withdrawal Allowances: The mortality table used for those receiving superannuation and withdrawal allowance is the 1951 Group Annuity Table.

Disability Allowances: The mortality table used for those receiving disability allowances is a 45% modification of Hunter's Table of Mortality among Disabled Lives.