

STATE EMPLOYEES' RETIREMENT SYSTEM

Actuarial Valuation
as of
December 31, 1971

HUGGINS
& COMPANY, INC.

CONSULTING ACTUARIES • EMPLOYEE BENEFIT PLAN CONSULTANTS

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June 5, 1973

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, 1971

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, 1971, 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 T, inclusive.

Respectfully submitted,

HUGGINS & COMPANY, INC.

By 
ROBERT H. SMITH

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KHR

PART I - VALUATION AS OF DECEMBER 31, 1971

A complete actuarial valuation of the State Employees' Retirement System was made as of December 31, 1971 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, 1971.
2. Liabilities of the Retirement Fund as of December 31, 1971, showing the various account balances.
3. Actuarial liabilities as of December 31, 1971.

In the statement of the assets, it will be noted that the total book value of investments, after adjustment for amortization, amounted to \$859,343,163. In addition to the other items, it will be noted that there was an amount of \$38,948,696 of Accounts Receivable which represents amounts due from the Commonwealth. The total assets amount to \$914,473,593.

The account balances total \$914,473,593, 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 \$1,060,661 is before any transfers to adjust account balances. This account is at a particularly low point and, in fact, reaches a deficit position after the transfers are made as discussed in Part II of this report.

Comments on the statement of actuarial liabilities are made following the statement. It will be noted that the total actuarial liabilities amount to \$2,577,690,580.

STATE EMPLOYEES' RETIREMENT FUND
STATEMENT OF ASSETS AS OF DECEMBER 31, 1971

Cash.....	\$	169,708
 <u>Investments</u>		
Unmatured (Par Value) of investments...		\$861,994,303
Net Accrual on Investments after amortization.....	2,651,140	859,343,163
Interest due and accrued.....		12,179,429
Members contribution in transit.....		3,832,597
Accounts Receivable (Due from Commonwealth).....		<u>38,948,696</u>
TOTAL ASSETS.....		<u><u>\$914,473,593</u></u>

STATE EMPLOYES' RETIREMENT FUND

STATEMENT OF ACCOUNT BALANCES AS OF DECEMBER 31, 1971

Members' Annuity Savings Account.....	\$403,254,926
Members' Annuity Reserve Account.....	118,523,435
State Police Members' Annuity Reserve Account.....	5,334,610
State Annuity Reserve Account.....	363,259,060
State Police Benefit Account.....	20,960,836
Enforcement Officers Benefit Account.....	1,891,823
State Annuity Accumulation Account.....	1,060,661
Reserve for outstanding checks (Miscellaneous Liability)....	<u>188,242</u>
Total Account Balances and Miscellaneous Liabilities.....	<u>\$914,473,593</u>

STATE EMPLOYEES' RETIREMENT FUND

STATEMENT OF ACTUARIAL LIABILITIES AS OF DECEMBER 31, 1971

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

Members' Annuity Reserve Account:

Superannuation.....	\$ 112,630,370	
Disability.....	4,018,386	
Withdrawal.....	<u>12,574,088</u>	
Total.....		\$ 129,222,844

State Police Members' Annuity Reserve Account..... 5,750,499

State Annuity Reserve Account:

Superannuation.....	\$ 332,525,318	
Disability.....	13,102,024	
Withdrawal.....	<u>41,529,134</u>	
Total.....		387,156,476

Supplemental Retirement Allowance Account..... 11,186,785

State Police Benefit Account:

State annuities..... 34,896,777

Enforcement Officers Benefit Account:

State annuities..... 2,678,294

Total for annuitants and beneficiaries..... \$ 570,891,675

Present value of benefits to active and inactive members for -

Superannuation and withdrawal.....	\$1,518,764,302	
Disability.....	71,031,016	
Death.....	239,057,308	
Refunds.....	<u>177,758,037</u>	
Total for active and inactive members.....		\$2,006,610,663
Miscellaneous.....		<u>188,242</u>
TOTAL ACTUARIAL LIABILITIES.....		<u>\$ 2,577,690,580</u>

Liability related to present annuitants and beneficiaries..... \$570,891,675

A breakdown of the liability of \$570,891,675 related to present annuitants and beneficiaries according to the type of benefit payment is shown in the following table:

Category of Annuitants or Beneficiaries Other Than State Police or Enforcement Officers	Liability as of December 31, 1971		
	Members' Annuity Reserve	State Annuity Reserve	Total Annuity Reserve
Superannuation.....	\$112,630,370	\$332,525,318	\$445,155,688
Disability.....	4,018,386	13,102,024	17,120,410
Withdrawal.....	<u>12,574,088</u>	<u>41,529,134</u>	<u>54,103,222</u>
Sub-Total.....	\$129,222,844	\$387,156,476	\$516,379,320
<u>Supplemental Allowance.....</u>	-	11,186,785	11,186,785
<u>State Police.....</u>	5,750,499	34,896,777	40,647,276
<u>Enforcement Officers.....</u>	Included in "Others"	<u>2,678,294</u>	<u>2,678,294</u>
Total Liabilities.....	<u>\$134,973,343</u>	<u>\$435,918,332</u>	<u>\$570,891,675</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 \$129,222,844 must be compared with the Members' Annuity Reserve Account balance of \$118,523,435, producing a deficit of \$10,699,409. A transfer of this amount should be made to the Members' Annuity Reserve Account from the State Annuity Accumulation Account as of December 31, 1971 in order to bring the account into balance.

The required reserves for the State Police Members' Annuity Reserve Account amount to \$5,750,499. The corresponding account balance is \$5,334,610 which produces a deficit of \$415,889. A transfer of this amount should be made to the State Police Members' Annuity Reserve Account from the State Police Benefit Account as of December 31, 1971 in order to balance the account.

The State Annuity Reserve Account shows liabilities amounting to \$387,156,476. The corresponding fund balance is \$363,259,060. A transfer of the deficit of \$23,897,416 should be made to the State Annuity Accumulation Account to bring the account in balance as of December 31, 1971.

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, 1971. Since the liabilities amount to \$11,186,785, 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 \$34,896,777 and the account balance to \$20,960,836. However, after the transfer referred to above of \$415,889 to the State Police Members' Annuity Reserve Account is made as of December 31, 1971, the account balance is decreased to \$20,544,947. The deficiency in this account is therefore \$14,351,830 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 \$2,678,294, while the assets, as shown, are \$1,891,823. The deficiency is therefore \$786,471.

The number of present annuitants and beneficiaries and their annual annuities as of December 31, 1971 are shown in the following table.

Category of Annuitants or Beneficiaries	Annual Annuities as of December 31, 1971				
	Number	Members' Annuity	State Annuity	Supplemental Annuity	Total Annuity
<u>Other Than State Police or Enforcement Officers</u>					
Superannuation.....	17,806	\$13,808,995	\$30,855,150	\$1,442,086	\$46,106,23
Disability.....	1,118	388,243	1,180,752	-	1,568,99
Withdrawal.....	2,663	1,385,221	3,407,964	-	4,793,18
Sub-total.....	21,587	\$15,582,459	\$35,443,866	\$1,442,086	\$52,468,41
<u>State Police.....</u>	916	521,363	2,621,182	143,037	3,285,58
<u>Enforcement Officers.....</u>	60	71,156	232,347	6,893	310,39
Totals.....	22,563	\$16,174,978	\$38,297,395	\$1,592,016	\$56,064,38

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..... \$2,006,610,663

The liability of \$2,006,610,663 related to the active and inactive members of the system is based on the data summarized briefly in the table below.

Active members:

	Male	Female	Total
Number	65,526	43,374	108,900
Salaries	\$621,306,032	\$303,317,356	\$924,623,388
Present value of 1% of future salaries.....	\$ 44,612,903	\$ 23,135,908	\$ 67,748,811

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 112 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 \$926,050,547 and an adjusted total present value of 1% of future salaries of \$67,825,023.

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

Miscellaneous..... \$188,242

This item is the total of the reserve for outstanding checks, members withdrawals payable and Blue Cross premiums.

Total actuarial liabilities \$2,577,690,580

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, 1971 and those that will be related to subsequent service.

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

The actuarial assumptions used in this valuation are summarized in Schedule T at the end of this report. These remain unchanged since the valuation as of December 31, 1970.

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, 1971 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.....	\$118,523,435	\$ 129,222,844	(-)\$10,699,409
State Police Members' Annuity Reserve Account.....	5,334,610	5,750,499	(-) 415,889
State Annuity Reserve Account.	363,259,060	387,156,476	(-) 23,897,416
Supplemental Retirement Allowance Account.....	0	11,186,785	(-) 11,186,785
State Police Benefit Account..	20,960,836	34,896,777	(-) 13,935,941
Enforcement Officers Benefit Account.....	1,891,823	2,678,294	(-) 786,471

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

<u>From</u>	<u>To</u>	<u>Amount</u>
State Annuity Accumulation Account	Member's Annuity Reserve Account	\$10,699,409
State Police Benefit Account	State Police Members' Annuity Reserve Account...	415,889
State Annuity Accumulation Account	State Annuity Reserve Account.....	23,897,416

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

Net transfer from State Annuity Accumulation Account.....	(-) \$34,596,825
Transfer from State Police Benefit Account.....	(-) 415,889
Transfer to Members' Annuity Reserve Account.....	(+) 10,699,409
Transfer to State Police Members' Annuity Reserve Account..	(+) 415,889
Transfer to State Annuity Reserve Account.....	(+) <u>23,897,416</u>
Net transfers.....	<u>0</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.....	\$403,254,926	(Same)
Members' Annuity Reserve Account.....	129,222,844	
State Police Members' Annuity Reserve Account...	5,750,499	
State Annuity Reserve Account.....	387,156,476	
State Police Benefit Account.....	20,544,947	
Enforcement Officers Benefit Account.....	1,891,823	(Same)
State Annuity Accumulation Account.....(-)	33,536,164	
Miscellaneous.....	<u>188,242</u>	(Same)
Total Account Balances.....	<u>\$914,473,593</u>	(Same)

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 13, the present assets of \$914,473,593, represented by the various account balances, are compared with the total liabilities of \$2,577,690,580. The difference of \$1,663,216,987 represents the future assets and we will now discuss the various items comprising this total.

The deficiency in the State Police Benefit Account of \$14,351,830 has increased by \$2,216,062 since we reported a deficiency of \$12,135,768 as of June 30, 1970; also the deficiency of \$786,471 in the Enforcement Officers Benefit Account has increased by \$488,586 since we reported a deficiency of \$297,885 as of June 30, 1970. 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 \$379,820,129. In addition, the present value of the employer contributions to the State Annuity Accumulation Account is \$1,257,071,772.

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 \$67,825,023).....	\$ 496,479,168
Unfunded accrued liability.....	<u>760,592,604</u>
Total present value of employer contributions	<u><u>\$1,257,071,772</u></u>

If this unfunded accrued liability of \$760,592,604 is funded over 28 years from December 31, 1971, allowing for annual increases of 4%, the annual instalment is \$27,164,022 or 2.93% of the adjusted total payroll of \$926,050,547.

The unfunded liability of \$11,186,785 in the Supplemental Retirement Allowance Account should be funded in eighteen equal annual instalments from December 31, 1971. This is equivalent to level annual payments of \$883,680, or 0.10% of the total payroll of \$926,050,547.

ACTUARIAL BALANCE SHEET SHOWING PRESENT AND PROSPECTIVE ASSETS AND LIABILITIES
of STATE EMPLOYEES' RETIREMENT SYSTEM as of DECEMBER 31, 1971

A S S E T S

Present assets:

Members' Annuity Savings Account.....	\$ 403,254,926
Members' Annuity Reserve Account.....	129,222,844
State Police Members' Annuity Reserve Account.....	5,750,499
State Annuity Reserve Account.....	387,156,476
State Police Benefit Account.....	20,544,947
Enforcement Officers Benefit Account.....	1,891,823
State Annuity Accumulation Account.....	(-) 33,536,164
Miscellaneous.....	<u>188,242</u>
Total present assets (book value).....	\$ 914,473,593

<u>Deficiencies in Accounts</u>	
State Police Benefit Account.....	\$ 14,351,830
Enforcement Officers Benefit Account.....	<u>786,471</u>
Total present assets (book value).....	\$ 914,473,593

Present Value of Future Contributions

Members' Annuity Savings Account (Employee)....	\$ 379,820,129
State Annuity Accumulation Account(Employer)	1,257,071,772
Supplemental Retirement Allowance Account(Employer)....	<u>11,186,785</u>
Total future assets.....	<u>1,648,078,686</u>

TOTAL ASSETS..... \$2,577,690,580

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

Cash.....	\$ 169,708
Investments (net of amortization)....	859,343,163
Interest due and accrued.....	12,179,429
Members contribution in transit.....	3,832,597
Due from Commonwealth.....	<u>38,948,696</u>

Total present assets..... \$ 914,473,593

L I A B I L I T I E S

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

<u>Members' Annuity Reserve Account:</u>	
Superannuation.....	\$ 112,630,370
Disability.....	4,018,386
Withdrawal.....	<u>12,574,088</u>
Total.....	\$ 129,222,844
<u>State Police Members' Annuity Reserve Account.....</u>	<u>5,750,499</u>

<u>State Annuity Reserve Account:</u>	
Superannuation.....	\$ 332,525,318
Disability.....	13,102,024
Withdrawal.....	<u>41,529,134</u>
Total.....	387,156,476

Supplemental Retirement Allowance Account 11,186,785

<u>State Police Benefit Account:</u>	
State annuities.....	34,896,777

<u>Enforcement Officers Benefit Account:</u>	
State annuities.....	2,678,294
Total for annuitants and beneficiaries..	<u>\$ 570,891,675</u>

Present value of benefits to active and inactive members for -

<u>Superannuation and withdrawal.....</u>	<u>\$1,518,764,302</u>
Disability.....	71,031,016
Death.....	239,057,308
Refunds.....	<u>177,758,037</u>
Total for active and inactive members....	2,006,610,663

Miscellaneous.....	<u>188,242</u>
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TOTAL LIABILITIES..... \$2,577,690,580

PART IV - SUMMARY

In Part I of the report we presented the statements of assets, account balances and actuarial liabilities as of December 31, 1971. 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, 1971 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>		
State Annuity Accumulation Account	Members' Annuity Reserve Account.....	\$	10,699,409
State Police Benefit Account	State Police Members' Annuity Reserve Account..	\$	415,889
State Annuity Accumulation Account	State Annuity Reserve Account.....	\$	23,897,416

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>2.93</u>
Total contribution rate - State Annuity Accumulation Account.....	<u><u>10.25%</u></u>
Accrued liability contribution rate - Supplemental Retirement Annuity Account.....	<u><u>0.10%</u></u>

APPENDIX - SCHEDULES OF MEMBERSHIP AS OF DECEMBER 31, 1971

The following schedules of the membership as of December 31, 1971 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 1971 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 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 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 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 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 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 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 F-1 are shown, according to sex and attained age, the number of original members who are either superannuation or disability retirements who are receiving supplemental annuities and the total amounts of these annuities.

In Schedule G 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 G-1 are shown, according to sex and attained age, the number of new members who are either superannuation or disability retirements who are receiving supplemental annuities and the total amount of these annuities.

In Schedule H 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 those 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 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 those 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 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 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 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 the disabled annuitants who selected Option #1, #2, #3 or #4 on the withdrawal portion of their annuities and predeceased their beneficiaries. The amounts of annuities shown are the amounts being continued to the beneficiaries.

In Schedule M 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 N 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 O 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 those 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 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 those 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 Q is shown the summary of all annuities outstanding as of December 31, 1971 whether superannuation, disability, withdrawal or supplemental and whether being paid to original members or new members or their survivors.

In Schedule R is shown for comparison, the outstanding membership both active and annuitant as of June 30, 1966; June 30, 1967; June 30, 1968; June 30, 1969; December 31, 1970; and December 31, 1971.

In Schedule S the benefits and member contributions and provisions of the plan as of December 31, 1971 are summarized.

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

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

ORIGINAL MEMBERS - MALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	Annual Salary
52	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-
55	-	-	-	-	-	1	17,995	-	-	1	17,995	-
59	-	-	-	-	-	1	24,752	-	-	1	24,752	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	1	7,200	1	35,496	2	42,696	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	1	1	6,390	-	-	-	-	-	-	1	6,390	-
64	4	4	58,463	-	-	-	-	1	30,000	5	88,463	-
65	3	3	59,123	-	-	-	-	1	30,000	4	89,123	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	1	1	9,923	-	-	-	-	1	30,496	2	40,419	-
68	1	1	13,520	-	-	-	-	1	35,496	2	49,016	-
69	-	-	-	-	-	-	-	1	30,200	1	30,200	-
70	2	2	27,462	-	-	-	-	-	-	2	27,462	-
71	1	1	8,580	-	-	-	-	-	-	1	8,580	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	1	1	13,301	-	-	-	-	-	-	1	13,301	-
75	1	1	8,163	-	-	-	-	-	-	1	8,163	-
78	-	-	-	-	-	1	7,200	-	-	1	7,200	-
80	-	-	-	-	-	-	-	-	-	-	-	-
83	-	-	-	-	-	-	-	1	27,400	1	27,400	-
Totals	15	15	\$204,925	-	-	4	\$57,147	7	\$219,088	26	\$481,160	-

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

ORIGINAL MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
60	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	1	7,407	-	-	-	-	-	-	-	1	7,407	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	1	11,684	-	-	-	-	-	-	-	1	11,684	-
65	1	8,163	-	-	-	-	-	-	-	1	8,163	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	5	48,039	-	-	-	-	-	-	-	5	48,039	-
68	3	32,731	-	-	-	-	-	-	-	3	32,731	-
69	2	13,878	-	-	-	-	-	-	-	2	13,878	-
70	1	15,387	-	-	-	-	-	-	-	1	15,387	-
71	2	27,332	-	-	-	-	-	-	-	2	27,332	-
72	1	7,055	-	-	-	-	-	-	-	1	7,055	-
73	2	13,677	-	-	-	-	-	-	-	2	13,677	-
74	1	7,407	-	-	-	-	-	-	-	1	7,407	-
76	1	13,979	-	-	-	-	-	-	-	1	13,979	-
77	1	6,716	-	-	-	-	-	-	-	1	6,716	-
Totals	22	\$213,455	-	-	\$ -	-	\$ -	-	\$ -	22	\$213,455	-

SCHEDULE B

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

NEW MEMBERS - MALE

CLASS	A		B		C		D		E		GRAND TOTAL		
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	
18	336	\$ 1,702,958	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	336	\$ 1,702,958
19	534	2,739,579	-	-	-	-	-	-	-	-	-	534	2,739,579
20	626	3,359,142	-	-	-	-	-	-	-	-	-	626	3,359,142
21	668	3,783,848	-	-	-	-	-	-	-	-	-	668	3,783,848
22	1,058	6,628,036	-	-	34	239,305	-	-	-	-	-	1,092	6,867,341
23	1,280	8,581,250	-	-	100	826,006	-	-	-	-	-	1,380	9,407,256
24	1,489	10,664,747	-	-	231	2,056,614	-	-	-	-	-	1,720	12,721,361
25	1,457	11,044,643	-	-	272	2,559,220	-	-	-	-	-	1,729	13,603,863
26	1,127	8,984,303	-	-	238	2,279,010	-	-	-	-	-	1,365	11,263,313
27	1,191	9,864,054	-	-	241	2,371,845	-	-	-	-	-	1,432	12,235,899
28	1,298	11,471,264	-	-	245	2,443,660	-	-	-	-	-	1,543	13,914,924
29	1,381	12,455,854	-	-	229	2,351,088	-	-	-	-	-	1,610	14,806,942
30	1,108	10,460,444	-	-	182	1,961,176	1	7,200	-	-	-	1,291	12,428,820
31	1,086	10,291,703	-	-	176	2,005,434	-	-	-	-	-	1,262	12,297,137
32	1,111	10,987,514	-	-	131	1,522,782	-	-	-	-	-	1,242	12,510,296
33	1,083	11,209,525	1	9,923	124	1,460,093	1	7,200	-	-	-	1,209	12,686,741
34	1,051	10,725,211	-	-	92	1,109,897	-	-	-	-	-	1,143	11,835,108
35	1,023	10,845,824	-	-	84	1,059,606	-	-	-	-	-	1,107	11,905,430
36	1,039	10,774,568	-	-	79	996,905	1	11,200	-	-	-	1,119	11,782,673
37	1,082	11,426,549	-	-	76	978,930	1	7,200	-	-	-	1,159	12,412,679
38	1,113	11,876,886	-	-	48	618,983	1	12,500	-	-	-	1,162	12,508,369
39	1,202	12,754,233	-	-	57	746,152	1	9,200	1	30,000	-	1,261	13,539,585
40	1,199	12,875,771	-	-	69	910,969	-	-	1	30,000	-	1,269	13,816,740
41	1,282	13,674,405	-	-	75	1,008,089	1	25,000	1	30,000	-	1,359	14,737,494
42	1,199	12,633,401	-	-	61	839,144	1	7,200	1	34,500	-	1,262	13,514,245
43	1,360	13,897,261	-	-	65	921,488	3	38,060	-	-	-	1,428	14,856,809
44	1,366	14,294,951	-	-	89	1,268,668	4	32,296	-	-	-	1,459	15,595,915

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

NEW MEMBERS - MALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
45	1,419	\$14,859,346	-	94	\$1,359,021	3	\$39,204	2	\$60,000	1,518	\$16,317,571	
46	1,431	14,716,391	-	76	1,143,956	3	44,400	4	120,000	1,514	16,024,747	
47	1,482	15,244,569	-	86	1,232,823	1	7,200	1	30,000	1,570	16,514,592	
48	1,532	15,706,305	-	74	1,072,842	2	15,700	4	120,000	1,612	16,914,847	
49	1,500	15,227,735	-	59	852,767	6	65,696	1	30,000	1,566	16,176,198	
50	1,556	15,419,941	-	37	530,578	5	36,000	-	-	1,598	15,986,519	
51	1,569	15,534,866	-	55	817,483	7	62,896	4	122,496	1,635	16,537,741	
52	1,437	13,451,582	-	31	469,712	3	21,600	1	30,000	1,472	13,972,894	
53	1,556	14,656,104	-	20	315,310	4	56,596	4	121,688	1,584	15,149,698	
54	1,626	15,450,958	-	20	297,976	5	61,480	3	69,012	1,654	15,879,426	
55	1,546	14,655,770	1	30	491,748	9	78,792	2	66,996	1,588	15,300,713	
56	1,568	14,770,383	-	39	642,251	1	7,200	7	219,388	1,615	15,639,222	
57	1,682	15,358,644	-	27	463,042	6	61,573	3	87,996	1,718	15,971,255	
58	1,684	15,359,532	-	21	348,079	3	21,600	3	91,392	1,711	15,820,603	
59	1,649	14,996,998	-	15	262,596	7	55,275	1	35,496	1,672	15,350,365	
60	1,527	13,976,565	-	-	-	2	14,400	1	30,000	1,530	14,020,965	
61	1,496	13,429,855	1	1	6,090	3	21,600	2	60,496	1,503	13,528,375	
62	1,214	11,106,243	1	1	12,675	1	7,200	4	118,696	1,221	11,254,192	
63	988	9,138,869	-	1	15,387	2	14,400	4	123,496	995	9,292,152	
64	884	8,012,952	3	1	6,390	5	36,884	5	154,500	898	8,239,999	
65	647	5,965,899	-	-	-	2	14,400	3	97,500	652	6,077,799	
66	423	3,899,012	1	1	11,501	-	-	3	90,000	428	4,010,847	
67	356	3,102,918	-	-	-	1	7,200	4	117,496	361	3,227,614	
68	234	2,148,808	-	-	-	-	-	4	124,500	238	2,273,308	
69	203	1,989,223	-	1	6,716	1	14,348	3	87,992	208	2,098,279	

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

NEW MEMBERS - MALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	Annual Salary
70	150	\$ 1,358,159	-	\$ -	-	\$ -	1	\$ 7,200	4	\$ 93,676	155	\$ 1,459,035
71	122	1,083,877	-	-	-	-	-	-	3	91,488	125	1,175,365
72	87	679,084	-	-	-	-	3	24,372	2	58,296	92	761,752
73	73	683,641	-	-	-	-	-	-	3	93,496	76	777,137
74	52	530,012	-	-	-	-	-	-	1	30,496	53	560,508
75	45	424,311	-	-	-	-	-	-	2	60,000	47	484,311
76	25	232,368	-	-	-	-	-	-	-	-	25	232,368
77	25	294,089	-	-	-	-	1	7,200	-	-	26	301,289
78	17	133,854	-	-	-	-	-	-	-	-	17	133,854
79	17	135,409	-	-	-	-	-	-	3	98,492	20	233,901
80	8	61,340	-	-	-	-	-	-	1	3,000	9	64,340
81	9	64,053	-	-	-	-	-	-	-	-	9	64,053
82	3	16,600	-	-	-	-	-	-	-	-	3	16,600
83	5	47,427	-	-	-	-	-	-	-	-	5	47,427
84	3	21,191	-	-	-	-	-	-	1	30,496	4	51,687
85	2	12,675	-	-	-	-	-	-	-	-	2	12,675
86	-	-	-	-	-	-	-	-	-	-	-	-
87	2	20,356	-	-	-	-	-	-	-	-	2	20,356
88	1	7,736	-	-	-	-	-	-	-	-	1	7,736
89	1	6,090	-	-	-	-	-	-	-	-	1	6,090
Total	61,605	\$573,999,664	8	\$76,649	3,688	\$42,894,007	102	\$961,472	97	\$2,893,080	65,500	\$620,824,872

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

NEW MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
18	914	\$4,590,141	-	-	-	-	-	-	-	-	914	\$4,590,141
19	1,117	5,761,830	-	-	-	-	-	-	-	-	1,117	5,761,830
20	1,258	6,732,752	-	-	-	-	-	-	-	-	1,258	6,732,752
21	1,184	6,654,133	-	-	-	-	-	-	-	-	1,184	6,654,133
22	1,325	7,989,490	-	-	-	-	-	-	-	-	1,325	7,989,490
23	1,430	9,164,294	-	-	-	-	-	-	-	-	1,430	9,164,294
24	1,407	9,549,387	-	-	-	-	-	-	-	-	1,407	9,549,387
25	1,169	7,973,786	-	-	-	-	-	-	-	-	1,169	7,973,786
26	810	5,678,599	-	-	-	-	-	-	-	-	810	5,678,599
27	730	5,281,285	-	-	-	-	-	-	-	-	730	5,281,285
28	770	5,387,280	-	-	-	-	-	-	-	-	770	5,387,280
29	745	5,289,917	-	-	-	-	-	-	-	-	745	5,289,917
30	568	3,976,458	-	-	-	-	-	-	-	-	568	3,976,458
31	559	4,015,820	-	-	-	-	-	-	-	-	559	4,015,820
32	556	3,911,418	-	-	1	8,580	-	-	-	-	557	3,919,998
33	549	3,974,918	-	-	2	17,695	-	-	-	-	551	3,992,613
34	543	3,958,719	-	-	-	-	-	-	-	-	543	3,958,719
35	539	3,770,926	-	-	-	-	-	-	-	-	539	3,770,926
36	557	4,009,877	-	-	-	-	-	-	-	-	557	4,009,877
37	568	4,097,684	-	-	1	8,163	-	-	-	-	569	4,105,847
38	568	4,051,689	-	-	2	15,544	-	-	-	-	570	4,067,233
39	674	4,936,665	-	-	-	-	-	-	-	-	674	4,936,665
40	718	5,281,770	-	-	1	14,250	-	-	-	-	719	5,296,020
41	734	5,110,955	-	-	1	9,923	-	-	-	-	735	5,120,878
42	841	6,098,125	-	-	1	8,163	-	-	-	-	842	6,106,288
43	815	5,812,667	-	-	-	-	-	-	-	-	815	5,812,667
44	939	6,745,150	-	-	-	-	-	-	-	-	939	6,745,150

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

NEW MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL	
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.
45	960	\$7,183,944	-	-	-	-	-	-	-	-	960	\$7,183,944
46	1,014	7,238,980	-	-	-	-	-	-	-	-	1,014	7,238,980
47	1,089	7,641,365	-	-	-	-	-	-	-	-	1,089	7,641,365
48	1,156	8,287,008	-	-	-	-	-	-	-	-	1,156	8,287,008
49	1,074	7,671,412	-	-	-	-	-	-	-	-	1,074	7,671,412
50	1,149	8,331,732	-	-	-	-	-	-	-	-	1,149	8,331,732
51	1,270	9,220,758	-	-	-	-	-	-	-	-	1,270	9,220,758
52	1,118	8,184,383	-	-	-	-	-	-	-	-	1,118	8,184,383
53	1,173	8,505,594	-	-	-	-	13,888	1	30,000	-	1,173	8,505,594
54	1,077	7,859,901	-	-	-	-	-	-	-	-	1,077	7,859,901
55	1,183	8,485,203	-	-	-	-	-	-	-	-	1,183	8,485,203
56	1,112	8,305,669	-	-	-	-	-	-	-	-	1,112	8,305,669
57	1,145	8,665,270	1	6,510	-	-	7,200	1	-	-	1,145	8,665,270
58	1,084	8,187,979	-	-	-	-	4,960	-	-	-	1,084	8,187,979
59	1,043	7,927,619	-	-	-	-	-	-	-	-	1,043	7,927,619
60	838	6,452,812	-	-	-	-	-	-	-	-	838	6,452,812
61	826	6,472,204	-	-	-	-	-	-	-	-	826	6,472,204
62	577	4,416,690	-	-	1	14,939	6,688	-	-	-	577	4,416,690
63	469	3,638,159	-	-	-	-	-	-	-	-	469	3,638,159
64	387	2,939,927	-	-	2	14,827	-	-	-	-	387	2,939,927
65	262	1,994,565	-	-	-	-	-	-	-	-	262	1,994,565
66	177	1,354,248	-	-	1	7,532	-	-	-	-	177	1,354,248
67	149	1,137,500	-	-	1	7,532	-	-	-	-	149	1,137,500
68	104	802,292	-	-	-	-	-	-	-	-	104	802,292
69	59	454,469	-	-	1	6,823	-	-	-	-	59	454,469

ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

NEW MEMBERS - FEMALE

CLASS	A		B		C		D		E		GRAND TOTAL			
	Attained Age 1971	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.	Annual Salary	No.		Annual Salary		
70	40	\$	264,336	-	\$	-	\$	7,200	-	\$	-	41	\$	271,536
71	64	-	448,068	-	-	-	-	-	-	-	-	64	-	448,068
72	30	-	208,473	-	-	-	-	-	-	-	-	30	-	208,473
73	28	-	169,211	-	-	-	-	-	-	-	-	28	-	169,211
74	23	-	175,171	-	-	-	-	-	-	-	-	23	-	175,171
75	12	-	93,138	-	-	-	-	-	-	-	-	12	-	93,138
76	6	-	45,679	-	-	-	-	-	-	-	-	6	-	45,679
77	7	-	43,811	1	9,923	-	-	-	-	-	-	8	-	53,734
78	4	-	35,751	-	-	-	-	-	-	-	-	4	-	35,751
79	4	-	26,919	-	-	-	-	-	-	-	-	4	-	26,919
80	5	-	34,486	-	-	-	-	-	-	-	-	5	-	34,486
81	2	-	9,220	-	-	-	-	-	-	-	-	2	-	9,220
82	3	-	30,243	-	-	-	-	-	-	-	-	3	-	30,243
83	1	-	3,355	-	-	-	-	-	-	-	-	1	-	3,355
87	1	-	5,268	-	-	-	-	-	-	-	-	1	-	5,268
88	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	43,312		\$302,758,547	2	\$16,433	31	\$258,985	6	\$39,936	1	\$30,000	43,352		\$303,103,901

SCHEDULE D (3)

SUMMARY OF ACTIVE MEMBERSHIP as of DECEMBER 31, 1971

	<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.....	26	\$481,160	65,500	\$620,824,872	65,526	\$621,306,032
Female.....	22	213,455	43,352	303,103,901	43,374	303,317,356
Total.....	48	\$694,615	108,852	\$923,928,773	108,900	\$924,623,388
<u>By Class</u>						
A.....	37	\$418,380	104,917	\$876,758,211	104,954	\$877,176,591
B.....	0	0	10	93,082	10	93,082
C.....	0	0	3,719	43,152,992	3,719	43,152,992
D.....	4	57,147	108	1,001,408	112	1,058,555
E.....	7	219,088	98	2,923,080	105	3,142,168
Total.....	48	\$694,615	108,852	\$923,928,773	108,900	\$924,623,388

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1971

ORIGINAL MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
59	1	\$ 1,138.10	\$ 10,939.94	-	\$ -	\$ -
60	1	454.82	2,800.70	-	-	-
61	8	1,775.43	28,415.73	-	-	-
62	3	881.79	8,247.26	-	-	-
63	4	182.47	9,201.71	-	-	-
64	7	4,093.96	36,033.97	3	2,171.64	12,589.90
65	12	6,409.58	47,603.20	6	4,102.48	22,936.53
66	11	8,454.75	43,111.45	19	12,436.24	67,578.68
67	16	15,858.66	82,411.01	16	9,796.59	51,443.54
68	34	29,026.54	174,694.26	21	10,497.62	48,876.44
69	28	24,315.07	132,619.87	25	14,411.48	60,561.75
70	32	29,856.48	135,171.28	25	17,807.75	70,436.63
71	33	34,203.06	157,133.16	23	16,255.99	69,068.48
72	60	54,495.40	240,944.77	32	24,302.99	83,548.63
73	39	34,632.90	125,635.53	38	26,024.31	89,646.11
74	51	55,205.27	206,070.69	29	19,751.48	64,443.81
75	37	34,224.99	104,075.45	24	15,652.95	50,169.27
76	53	44,124.67	146,495.82	28	18,088.45	55,573.65
77	47	38,271.10	125,598.24	23	12,981.52	36,540.22
78	51	60,026.41	164,596.38	24	15,825.00	39,084.78
79	37	36,418.71	104,626.45	22	13,705.93	38,967.01
80	34	38,536.03	103,339.00	21	13,705.25	39,093.74
81	34	50,111.94	93,821.23	15	10,521.04	27,349.79
82	23	20,070.08	43,716.47	15	8,874.52	25,053.76
83	27	24,401.90	58,932.43	12	7,582.07	18,962.93
84	15	11,941.72	28,996.89	11	9,567.33	17,355.95
85	19	18,030.52	35,740.44	11	7,856.76	17,052.95
86	15	16,925.51	29,321.97	8	4,903.86	9,435.91
87	12	17,470.10	23,489.90	6	4,156.48	7,002.23
88	8	9,948.06	17,872.47	7	5,309.43	8,710.71
89	2	1,519.59	3,328.44	5	2,427.35	3,820.91
90	5	2,220.72	4,657.50	3	3,885.99	6,045.00
91	4	5,257.83	5,417.86	5	1,613.75	2,706.83
92	6	7,106.98	12,551.38	-	-	-
93	1	401.35	518.91	2	689.98	1,274.53
94	4	8,070.36	6,406.67	-	-	-
95	1	103.68	285.57	-	-	-
96	2	1,023.88	2,276.23	-	-	-
97	2	1,297.98	2,280.33	-	-	-
98	2	733.90	1,315.80	-	-	-
99	1	22.80	504.96	-	-	-
100	1	5,229.34	7,870.61	-	-	-
103	1	233.45	294.77	-	-	-
Totals	<u>784</u>	<u>\$754,707.88</u>	<u>\$2,569,366.70</u>	<u>479</u>	<u>\$314,906.23</u>	<u>\$1,045,330.67</u>

SCHEDULE F

ANNUITANTS INCLUDED IN SCHEDULES F & J, RECEIVING SUPPLEMENTAL ANNUITIES
as of DECEMBER 31, 1971 (SUPERANNUATION AND DISABILITY COMBINED)

ORIGINAL MEMBERS

Attained Age 1971	M A L E		F E M A L E	
	Number	Supplemental Annuity	Number	Supplemental Annuity
60	1	\$ 312.24	-	\$ -
61	1	313.44	-	-
62	1	345.24	-	-
63	-	-	-	-
64	4	868.80	1	570.84
65	5	1,095.24	-	-
66	10	802.08	17	125.88
67	9	928.80	11	641.88
68	27	4,482.48	21	1,315.68
69	20	2,415.48	24	1,718.40
70	19	4,516.56	26	3,716.64
71	27	8,183.64	27	4,042.08
72	59	17,311.20	32	5,744.64
73	39	12,228.36	39	8,529.12
74	51	19,562.52	30	7,667.40
75	37	15,110.52	24	6,251.64
76	55	22,674.48	27	8,784.96
77	42	21,827.16	23	7,553.52
78	50	24,679.68	24	8,603.40
79	36	21,155.88	23	8,889.36
80	31	24,692.64	22	10,439.04
81	29	17,949.00	15	7,644.96
82	21	12,371.04	16	8,130.56
83	27	17,492.16	12	6,013.08
84	15	10,972.20	11	5,363.28
85	18	13,396.08	11	6,459.36
86	13	11,143.68	9	5,207.40
87	11	11,326.56	6	2,807.16
88	7	6,251.40	7	4,615.08
89	2	5,247.00	6	3,785.88
90	5	3,354.24	3	1,252.92
91	2	2,987.64	5	2,998.32
92	4	2,609.52	1	326.88
93	-	-	2	1,561.32
94	3	2,755.32	-	-
95	1	880.08	-	-
96	1	1,813.32	-	-
97	1	2,456.64	-	-
98	2	1,363.32	-	-
99	1	1,107.96	-	-
103	1	774.84	-	-
Totals	<u>688</u>	<u>\$329,758.44</u>	<u>475</u>	<u>\$140,760.68</u>

SCHEDULE F - 1

SUPERANNUATION ANNUITIES as of DECEMBER 31, 1971

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
47	1	418.76	3,159.49	-	-	-
51	3	1,626.65	12,930.58	1	401.61	1,148.81
52	12	7,518.38	55,018.96	-	-	-
53	12	6,822.64	53,699.98	2	639.08	2,545.75
54	18	11,290.28	83,899.09	-	-	-
55	20	12,934.85	112,281.87	1	289.80	1,377.87
56	29	19,750.22	157,985.44	2	619.76	2,829.14
57	36	20,821.42	138,795.32	-	-	-
58	58	86,802.64	237,280.66	5	2,250.78	13,556.66
59	51	29,679.97	181,759.14	5	2,678.79	9,079.87
60	55	30,064.28	179,108.79	3	1,135.15	6,328.26
61	209	140,338.53	663,446.84	96	52,107.16	269,993.35
62	328	220,711.29	1,112,952.18	142	77,498.02	370,904.23
63	472	301,886.94	1,324,265.06	299	155,914.02	700,924.15
64	594	392,211.64	1,744,521.36	365	197,397.05	735,739.60
65	614	420,318.84	1,648,189.51	359	191,579.09	686,338.93
66	814	563,227.69	2,026,456.90	399	219,392.60	721,264.92
67	820	538,096.51	1,815,092.69	399	222,288.86	660,842.97
68	764	479,177.78	1,461,213.15	382	213,981.95	572,614.65
69	751	534,997.23	1,361,432.44	377	196,334.90	478,135.85
70	688	454,311.74	1,210,478.92	297	162,031.78	394,353.60
71	581	372,026.08	972,202.77	287	169,803.07	373,209.88
72	488	300,764.07	679,698.40	289	162,797.30	338,663.20
73	458	294,089.55	607,302.03	236	131,996.75	259,780.14
74	420	294,880.69	565,146.73	229	118,550.23	207,279.69
75	321	206,364.34	370,332.45	186	101,745.74	177,348.98
76	357	248,678.34	456,244.84	220	119,815.05	194,067.55
77	256	178,577.73	270,893.24	151	68,913.27	114,850.48
78	220	132,556.84	210,503.33	165	83,475.42	135,550.20
79	196	133,996.77	208,199.28	128	66,366.95	96,741.47
80	155	137,006.64	170,790.95	106	54,521.73	69,425.96
81	122	105,014.93	130,070.38	76	39,762.39	48,243.78
82	106	71,103.10	86,650.11	93	44,702.98	55,032.73
83	84	65,644.88	70,472.20	47	23,386.39	26,189.04
84	82	53,851.57	63,277.61	44	23,514.38	29,071.63
85	55	34,746.90	37,148.09	24	11,634.49	14,025.17
86	32	17,068.12	17,308.71	35	30,016.05	28,012.24
87	34	20,298.24	18,999.79	26	14,188.15	12,196.34
88	29	19,438.14	19,131.53	14	6,764.17	6,963.93
89	24	17,960.09	14,314.45	8	5,604.31	3,588.14
90	9	6,824.41	5,846.95	2	6,960.58	3,112.74
91	9	8,274.73	6,492.91	3	1,197.72	884.66
92	10	30,738.49	17,181.01	2	1,647.02	1,100.53
93	6	8,872.01	14,577.70	2	815.65	1,066.89
94	4	4,314.03	8,036.49	1	209.17	194.81
95	2	1,133.86	751.33	2	418.73	425.44
96	1	5,515.95	3,269.20	3	2,428.33	2,083.98
97	1	481.16	209.57	1	315.51	263.72
100	1	495.97	1,787.03	-	-	-
Totals	<u>10,412</u>	<u>\$7,043,725.91</u>	<u>\$20,610,807.45</u>	<u>5,514</u>	<u>\$2,988,091.93</u>	<u>\$7,827,351.93</u>

ANNUITANTS INCLUDED IN SCHEDULES G & K, RECEIVING SUPPLEMENTAL BENEFITS
as of December 31, 1971 (SUPERANNUATION AND DISABILITY COMBINED)

NEW MEMBERS

Attained Age 1971	M A L E		F E M A L E	
	Number	Supplemental Annuity	Number	Supplemental Annuity
33	1	\$ 129.84	-	\$ -
34	-	-	1	12.36
39	5	51.60	-	-
40	3	79.92	-	-
41	1	150.84	3	42.36
43	5	252.72	3	45.60
44	-	-	3	47.88
45	-	-	3	190.44
48	-	-	6	167.76
49	12	369.72	10	286.92
50	11	159.96	15	270.84
51	14	375.36	10	223.68
52	21	212.16	16	396.00
53	20	526.20	15	196.32
54	24	563.52	21	235.80
55	13	170.28	19	596.76
56	36	694.20	18	321.84
57	67	3,225.48	30	1,118.88
58	82	6,591.60	33	793.08
59	109	7,987.68	45	2,078.64
60	109	9,358.32	43	1,752.48
61	88	10,120.92	56	1,702.44
62	169	8,772.00	28	1,412.28
63	333	8,512.32	25	2,722.20
64	399	9,882.72	23	2,195.52
65	107	8,824.44	11	1,679.40
66	623	14,233.80	402	2,210.52
67	674	22,530.72	403	5,739.24
68	701	19,242.84	381	8,745.60
69	685	30,605.88	373	10,668.36
70	625	40,141.80	301	16,751.64
71	563	33,447.12	298	20,333.88
72	461	35,128.80	292	22,008.12
73	457	41,275.44	245	25,629.48
74	408	43,707.36	232	26,432.04
75	310	41,910.84	191	23,400.00
76	347	51,817.68	223	32,714.04
77	249	43,354.20	153	26,228.16
78	214	39,140.88	164	29,465.52
79	190	36,276.13	128	25,237.08
80	146	28,686.48	104	16,763.52
81	115	23,791.20	77	15,282.24
82	99	18,344.52	94	18,472.44
83	78	16,389.00	48	10,082.88
84	81	18,805.92	44	8,008.80
85	53	11,928.72	25	5,700.24
86	31	6,111.24	35	8,625.00
87	31	7,100.76	26	4,828.80
88	25	9,922.28	14	3,422.16
89	22	5,500.68	8	1,564.08
90	7	2,746.08	1	68.88
91	9	2,138.88	3	569.04
92	10	5,157.96	2	621.84
93	5	4,397.04	2	484.80
94	3	560.16	1	545.28
95	-	-	2	615.60
96	1	714.24	3	1,009.32
97	1	194.04	-	-
100	1	600.00	-	-
Totals	<u>8,854</u>	<u>\$732,914.49</u>	<u>4,712</u>	<u>\$390,718.08</u>

SCHEDULE G - 1

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1971
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

ORIGINAL MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
26	2	\$ 698.96	\$3,158.43	-	\$ -	\$ -
44	-	-	-	1	788.88	1,939.56
45	-	-	-	2	1,535.76	6,205.80
46	-	-	-	2	1,994.52	2,715.24
49	-	-	-	2	1,933.68	2,861.16
50	-	-	-	1	1,497.13	3,359.21
51	-	-	-	1	160.09	417.61
54	-	-	-	1	186.00	638.04
56	-	-	-	1	1,255.99	7,475.21
58	-	-	-	1	413.16	1,214.40
60	-	-	-	3	2,628.65	3,037.81
61	-	-	-	2	1,034.47	2,900.20
62	-	-	-	3	1,172.83	5,522.94
63	-	-	-	1	826.68	2,304.96
64	-	-	-	2	1,503.02	6,041.24
65	-	-	-	2	1,009.68	3,604.44
66	-	-	-	3	1,809.25	5,792.72
67	-	-	-	3	3,108.40	10,066.51
68	2	456.84	1,194.27	7	3,370.55	9,591.40
69	-	-	-	5	2,552.86	12,503.23
70	-	-	-	7	4,710.56	15,061.04
71	-	-	-	9	3,943.27	12,972.64
72	1	651.00	1,829.52	9	11,960.91	31,700.06
73	-	-	-	10	3,612.26	12,549.34
74	-	-	-	10	6,681.62	20,834.30
75	-	-	-	9	5,830.05	22,402.00
76	-	-	-	7	4,956.07	11,246.73
77	-	-	-	17	12,823.52	29,401.96
78	-	-	-	8	5,857.41	16,716.45
79	-	-	-	11	5,680.66	10,899.71
80	-	-	-	9	4,449.92	13,126.82
81	1	230.71	534.13	8	3,582.17	8,734.43
82	-	-	-	6	7,882.19	12,415.40
83	-	-	-	6	5,038.98	12,961.77
84	-	-	-	4	3,789.82	8,135.49
85	-	-	-	5	5,545.61	7,290.24
86	-	-	-	4	2,194.91	4,081.54
87	-	-	-	9	3,739.69	7,059.92
88	-	-	-	3	2,810.58	5,444.59
89	-	-	-	5	1,713.62	4,085.41
90	-	-	-	1	650.04	914.44
91	-	-	-	-	-	-
92	-	-	-	-	-	-
93	-	-	-	2	1,337.51	3,637.69
94	-	-	-	1	144.21	360.60
Totals	<u>6</u>	<u>\$2,037.51</u>	<u>\$6,716.35</u>	<u>203</u>	<u>\$137,717.18</u>	<u>\$360,224.25</u>

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1971
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
23	1	\$ 1,774.68	\$2,350.56	-	\$ -	\$ -
25	-	-	-	1	541.80	658.20
29	-	-	-	1	368.03	1,227.75
30	-	-	-	1	225.24	380.28
32	1	838.68	1,406.87	-	-	-
34	-	-	-	1	366.48	474.96
35	1	766.08	1,559.52	-	-	-
37	-	-	-	1	538.56	1,237.80
40	-	-	-	2	712.32	3,255.24
41	1	305.88	1,048.20	1	66.85	1,897.32
42	-	-	-	2	475.68	2,173.92
43	-	-	-	2	923.26	2,298.47
44	-	-	-	3	1,064.39	4,505.62
45	-	-	-	5	2,054.64	9,982.63
46	1	366.48	474.96	2	730.44	3,640.72
47	1	169.33	207.19	9	2,240.70	5,916.56
48	-	-	-	4	985.79	1,370.31
49	2	759.19	2,035.46	2	320.30	2,421.47
50	2	523.93	551.44	5	2,031.48	7,116.48
51	1	569.52	1,489.80	5	2,163.27	9,156.82
52	1	842.16	2,600.28	9	5,351.03	11,933.79
53	-	-	-	9	4,551.20	12,159.42
54	-	-	-	7	4,280.23	18,972.73
55	-	-	-	14	7,860.44	24,727.29
56	-	-	-	20	12,640.04	47,691.00
57	-	-	-	18	10,575.67	37,550.37
58	-	-	-	20	12,662.75	50,090.19
59	-	-	-	21	15,987.91	44,251.81
60	1	408.60	1,185.84	31	25,813.94	85,048.39
61	2	1,340.94	5,392.96	37	25,051.05	83,468.26
62	2	2,079.36	7,212.60	31	25,257.57	72,517.14
63	2	1,178.40	5,039.40	43	27,956.67	82,166.72
64	1	842.16	2,600.28	67	39,899.11	118,469.20
65	4	2,547.17	6,946.05	37	18,813.72	53,497.45
66	1	819.84	2,743.92	48	22,217.10	62,209.74
67	-	-	-	60	40,008.17	115,566.69
68	-	-	-	54	36,479.74	83,094.58
69	5	3,279.57	8,687.89	57	36,310.26	96,395.21
70	2	740.80	1,939.68	55	34,654.81	80,595.20
71	-	-	-	63	39,784.55	84,076.10
72	3	1,514.28	2,966.79	57	32,679.84	76,117.26
73	-	-	-	38	21,418.86	41,660.79
74	2	1,168.51	3,780.61	48	26,580.66	64,734.37

SCHEDULE I (1)

SUPERANNUATION ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1971
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
75	2	\$ 618.60	\$ 3,105.48	46	\$ 26,222.08	\$ 59,026.97
76	-	-	-	52	27,891.79	51,171.27
77	-	-	-	42	25,974.26	41,451.92
78	-	-	-	27	14,119.70	26,975.37
79	2	1,018.24	1,938.13	29	18,813.25	26,205.75
80	1	498.65	646.86	16	8,191.62	9,897.73
81	3	8,616.01	17,113.27	27	15,356.90	22,461.83
82	1	387.37	496.18	17	8,847.56	14,243.68
83	-	-	-	20	8,935.38	12,674.39
84	-	-	-	16	12,567.94	23,161.72
85	-	-	-	11	12,089.15	13,262.20
86	-	-	-	14	11,690.11	12,957.68
87	-	-	-	11	9,665.78	8,206.20
88	-	-	-	6	3,061.35	3,949.66
89	-	-	-	3	605.51	461.61
90	-	-	-	4	2,092.13	3,484.07
91	-	-	-	2	1,279.68	1,156.01
92	-	-	-	3	2,127.04	2,287.25
93	-	-	-	2	1,135.82	1,577.15
96	-	-	-	1	821.28	2,229.60
Totals	<u>46</u>	<u>\$33,974.43</u>	<u>\$85,520.22</u>	<u>1,240</u>	<u>\$754,132.88</u>	<u>\$1,841,550.31</u>

SCHEDULE I (2)

DISABILITY ANNUITIES as of DECEMBER 31, 1971

ORIGINAL MEMBERS

<u>Attained Age 1971</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>
46	1	\$ 149.80	\$ 3,688.62	-	\$ -	\$ -
49	1	11.38	2,526.22	-	-	-
57	-	-	-	1	305.64	1,064.52
59	-	-	-	-	-	-
60	-	-	-	-	-	-
61	-	-	-	-	-	-
62	1	442.08	1,716.30	-	-	-
63	-	-	-	-	-	-
64	-	-	-	1	109.35	332.62
65	-	-	-	-	-	-
66	-	-	-	-	-	-
67	-	-	-	-	-	-
68	-	-	-	1	96.00	401.10
69	-	-	-	-	-	-
70	-	-	-	2	250.26	657.00
71	-	-	-	-	-	-
72	2	698.47	1,143.77	-	-	-
73	3	574.93	1,222.73	1	27.52	234.71
74	-	-	-	1	505.05	789.09
75	-	-	-	-	-	-
76	5	715.12	2,468.46	-	-	-
77	-	-	-	-	-	-
78	-	-	-	-	-	-
79	2	662.56	765.44	1	115.00	239.00
80	-	-	-	1	158.00	302.86
81	1	15.96	432.24	-	-	-
82	-	-	-	1	162.86	217.96
83	2	189.54	751.11	-	-	-
86	-	-	-	1	75.30	140.70
88	-	-	-	-	-	-
89	-	-	-	-	-	-
92	1	225.36	154.40	1	44.97	55.03
Totals	<u>19</u>	<u>\$3,685.20</u>	<u>\$14,869.29</u>	<u>12</u>	<u>\$1,849.95</u>	<u>\$4,434.59</u>

SCHEDULE J

DISABILITY ANNUITIES as of DECEMBER 31, 1971

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
27	-	\$ -	\$ -	1	\$ 114.42	\$ 1,547.34
28	1	165.10	2,197.25	-	-	-
30	1	140.08	1,864.33	-	-	-
31	1	181.34	1,914.74	2	300.42	2,516.54
32	2	251.26	2,443.12	-	-	-
33	1	224.69	1,630.24	-	-	-
34	1	120.99	1,333.74	1	117.82	1,122.10
35	1	118.70	1,110.59	-	-	-
36	1	96.59	1,155.68	-	-	-
37	3	465.01	4,220.41	2	260.89	2,438.13
38	-	-	-	1	191.97	1,242.85
39	5	1,001.88	7,561.45	2	563.41	3,015.19
40	3	527.32	4,536.33	4	893.25	5,975.93
41	2	258.01	2,755.74	4	751.44	5,162.40
42	3	617.44	5,180.87	2	653.87	2,692.54
43	6	1,198.64	7,708.71	3	590.85	3,265.34
44	3	664.94	4,075.75	3	444.48	4,124.56
45	2	618.91	2,359.05	3	661.71	3,364.18
46	5	1,273.16	8,016.52	3	881.70	5,158.28
47	7	2,678.75	13,668.62	6	1,659.85	9,192.35
48	14	4,351.98	21,889.75	7	1,541.22	8,805.26
49	16	5,497.04	30,418.50	13	3,412.71	16,114.77
50	13	4,404.22	20,793.02	15	5,617.06	24,805.31
51	14	5,561.76	24,031.21	11	3,128.63	14,547.56
52	21	7,983.98	33,374.97	16	5,379.97	18,944.86
53	21	6,033.44	31,804.31	15	4,643.22	20,277.31
54	24	8,326.58	33,289.46	21	8,127.77	33,520.18
55	16	6,201.99	23,852.00	19	4,693.30	17,606.53
56	23	8,191.72	29,594.16	16	5,301.78	22,944.36
57	43	17,388.90	59,728.28	30	8,389.10	29,417.95
58	31	10,337.87	40,244.34	31	14,076.16	43,259.91
59	46	20,421.34	57,971.95	45	20,724.02	52,603.29
60	63	27,109.03	75,233.25	43	14,739.30	39,498.17
61	46	20,302.95	43,762.52	26	9,133.89	24,123.33
62	20	6,646.89	14,147.05	28	12,789.59	23,877.66
63	20	6,096.74	14,347.92	24	8,776.52	15,953.98
64	23	6,421.83	16,847.85	21	8,139.31	14,510.13
65	24	7,393.06	26,806.35	11	3,674.16	6,603.36
66	21	6,979.61	13,692.79	16	5,520.65	9,096.26
67	14	4,987.02	9,028.30	10	2,771.56	5,065.17
68	19	5,744.45	11,028.61	11	2,986.44	5,913.42
69	4	2,008.68	3,041.28	4	759.26	2,016.72
70	1	75.91	120.01	6	1,507.91	2,283.29
71	9	2,541.64	5,727.53	6	1,905.26	3,552.28
72	2	381.47	892.97	3	541.81	925.75
73	1	35.79	444.33	3	636.50	1,899.23
74	2	737.72	1,150.03	4	937.47	1,622.46
75	2	513.70	996.19	5	859.41	1,790.31
76	-	-	-	2	265.90	666.97
77	3	979.68	1,674.51	2	1,022.33	1,121.61
78	1	175.28	413.73	-	-	-
79	-	-	-	-	-	-
80	1	291.58	266.42	1	69.38	279.74
81	2	156.24	766.10	1	134.91	219.10
83	-	-	-	1	102.64	178.82
84	1	343.72	330.19	-	-	-
85	-	-	-	1	142.16	222.74
Totals	<u>609</u>	<u>\$215,226.62</u>	<u>\$721,443.02</u>	<u>505</u>	<u>\$170,537.38</u>	<u>\$515,085.52</u>

SCHEDULE K

DISABILITY ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1971
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
29	-	\$ -	\$ -	1	\$ 803.16	\$ 1,558.68
50	-	-	-	1	692.76	2,594.04
51	-	-	-	1	1,048.20	1,492.32
53	1	516.96	1,262.64	-	-	-
55	-	-	-	2	1,204.56	3,608.64
57	-	-	-	1	640.32	758.64
58	-	-	-	1	393.60	875.52
59	1	466.32	974.16	1	677.04	2,028.48
60	-	-	-	-	-	-
61	1	1,041.36	4,230.48	-	-	-
62	-	-	-	1	255.72	1,039.92
63	-	-	-	-	-	-
64	-	-	-	2	1,013.28	2,247.12
65	1	946.92	1,853.76	-	-	-
66	-	-	-	3	1,033.99	3,351.40
67	-	-	-	1	249.40	889.06
68	-	-	-	-	-	-
69	1	231.96	583.44	-	-	-
70	-	-	-	1	502.92	1,119.00
71	-	-	-	-	-	-
72	2	513.48	909.66	3	561.73	1,120.34
73	1	448.80	1,809.60	-	-	-
83	-	-	-	1	12.59	678.15
Totals	<u>8</u>	<u>\$4,165.80</u>	<u>\$11,623.74</u>	<u>20</u>	<u>\$9,089.27</u>	<u>\$23,361.31</u>

SCHEDULE L

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1971

ORIGINAL MEMBERS

<u>Attained Age 1971</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>
51	1	\$ 249.68	\$ 3,165.44	-	\$ -	\$ -
60	1	179.30	173.36	1	156.56	286.38
61	3	436.02	1,607.49	1	612.24	2,752.41
62	2	253.48	549.43	-	-	-
63	1	895.84	1,388.61	-	-	-
64	1	213.54	2,490.59	-	-	-
65	3	514.93	1,463.23	2	321.11	828.62
66	2	794.22	2,622.30	7	1,476.58	4,231.52
67	6	1,339.33	5,069.58	5	863.79	2,829.33
68	6	2,062.01	7,532.41	8	2,057.47	5,997.88
69	6	1,424.50	4,490.97	5	1,401.26	5,143.66
70	8	2,228.79	7,845.66	6	1,575.92	4,351.88
71	13	3,897.76	12,498.83	5	1,338.74	4,479.55
72	8	3,121.57	16,170.74	6	1,579.57	6,823.85
73	6	1,632.49	6,779.78	8	2,338.64	7,016.81
74	12	4,117.57	14,932.37	6	1,411.16	4,211.22
75	11	6,096.85	19,802.93	3	505.79	1,611.41
76	10	3,889.98	12,136.18	4	929.16	3,467.91
77	5	1,179.10	3,760.76	2	1,015.56	2,145.78
78	3	1,428.06	4,193.89	4	568.61	1,608.29
79	4	768.34	1,761.05	6	904.84	1,943.72
80	3	861.93	1,397.74	4	1,247.42	5,421.55
81	3	1,351.02	3,644.42	1	96.25	98.36
82	2	1,206.76	3,363.85	2	408.09	761.78
83	4	2,290.76	5,062.09	3	508.12	923.44
84	2	1,035.70	2,384.66	4	416.24	1,020.03
85	1	447.89	599.28	3	358.95	413.87
86	-	-	-	2	218.61	297.18
87	1	634.55	806.22	-	-	-
88	2	702.33	2,097.12	3	372.40	795.91
89	-	-	-	1	432.07	405.74
90	-	-	-	1	116.64	167.12
91	1	120.29	363.35	-	-	-
95	-	-	-	1	275.01	813.11
Totals	<u>131</u>	<u>\$45,374.59</u>	<u>\$150,154.33</u>	<u>104</u>	<u>\$23,506.80</u>	<u>\$70,848.31</u>

SCHEDULE M

WITHDRAWAL ANNUITIES as of DECEMBER 31, 1971

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
31	-	\$ -	\$ -	1	\$ 135.74	\$ 97.91
32	-	-	-	1	124.08	122.89
34	-	-	-	1	99.76	61.80
35	1	213.45	209.82	-	-	-
36	-	-	-	-	-	-
37	-	-	-	1	194.27	139.43
38	2	603.15	1,898.11	1	103.58	69.28
39	2	413.61	1,276.90	-	-	-
40	-	-	-	1	244.40	294.63
41	1	332.61	332.17	2	234.56	193.09
42	3	880.92	954.89	1	379.06	682.09
43	7	2,171.49	4,395.44	1	55.67	73.84
44	1	361.03	376.03	3	421.14	328.98
45	6	1,450.93	3,013.48	2	313.04	703.31
46	10	2,261.92	4,993.79	5	1,200.23	2,494.04
47	14	4,753.96	20,820.76	2	500.93	1,004.50
48	16	4,938.68	12,583.55	7	1,225.25	2,470.77
49	15	5,064.61	21,776.25	3	1,465.89	7,710.46
50	19	7,782.44	23,738.68	9	2,153.41	4,482.20
51	21	7,369.03	22,913.21	13	3,490.87	7,688.30
52	31	11,314.04	44,721.16	13	3,409.48	7,028.04
53	27	9,207.22	29,102.55	13	4,569.23	10,011.01
54	35	14,193.58	46,274.78	10	3,014.85	7,021.92
55	52	22,872.18	91,346.52	16	4,313.83	12,359.87
56	50	20,343.69	93,111.04	29	10,236.92	35,034.93
57	91	40,313.66	166,541.48	26	8,351.63	37,029.95
58	77	31,259.91	126,811.38	31	12,477.70	48,575.48
59	82	33,270.10	129,834.81	41	18,960.05	75,500.77
60	80	41,806.40	190,375.67	60	30,742.68	148,301.93
61	83	40,969.62	173,117.69	62	31,962.79	132,497.21
62	92	39,940.30	160,975.84	46	22,308.95	86,830.87
63	73	28,808.92	98,573.45	45	17,695.79	53,530.46
64	76	28,125.63	80,326.93	38	17,738.79	56,854.33
65	74	28,630.81	90,664.60	40	15,142.96	47,172.77
66	66	25,391.57	84,543.80	29	10,393.02	30,969.44
67	61	20,510.16	62,541.23	23	7,401.38	18,669.44
68	59	24,330.71	54,739.55	14	4,513.86	11,816.82
69	44	14,011.28	32,066.13	20	7,220.42	21,549.80
70	45	11,688.90	23,146.18	12	2,526.63	5,583.29
71	28	9,039.01	20,165.67	11	5,184.97	4,991.74
72	38	12,113.15	22,922.67	16	4,224.43	9,452.89
73	35	9,243.64	17,937.85	13	3,512.81	8,530.49
74	36	9,830.65	21,766.45	8	2,157.20	3,878.86
75	50	12,910.82	27,874.08	8	2,697.48	6,884.88
76	29	8,607.41	18,822.02	5	585.30	934.53
77	9	2,192.08	5,018.30	2	414.49	957.13
78	2	677.80	2,688.31	1	288.41	804.40
79	1	1,511.10	2,696.06	1	220.64	1,106.99
80	3	560.23	516.97	-	-	-
81	2	1,143.06	1,145.44	1	94.33	94.29
82	2	283.06	1,257.06	1	403.18	538.40
83	-	-	-	-	-	-
84	1	241.83	201.20	1	140.16	159.82
87	-	-	-	1	347.19	416.72
88	-	-	-	1	99.27	77.60
90	1	121.46	106.89	-	-	-
Totals	<u>1,553</u>	<u>\$594,061.81</u>	<u>\$2,041,216.84</u>	<u>692</u>	<u>\$265,692.70</u>	<u>\$913,784.59</u>

SCHEDULE N

WITHDRAWAL ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1971
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

ORIGINAL MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
51	-	\$ -	\$ -	1	\$ 11.28	\$ 1,248.24
55	-	-	-	1	15.12	2,026.44
60	-	-	-	1	826.02	2,396.92
61	-	-	-	-	-	-
62	-	-	-	-	-	-
63	-	-	-	1	284.26	1,307.46
64	-	-	-	3	436.69	1,386.07
65	-	-	-	1	286.37	608.31
66	-	-	-	2	408.67	1,650.76
67	-	-	-	1	817.08	6,884.16
68	-	-	-	1	421.85	855.47
69	-	-	-	1	476.85	1,764.67
70	1	412.44	1,098.30	3	2,128.99	3,620.63
71	-	-	-	2	870.05	2,623.62
72	-	-	-	3	1,392.44	4,480.93
73	-	-	-	1	368.73	1,344.39
74	-	-	-	1	1,360.46	1,064.37
75	-	-	-	1	636.79	1,914.19
76	-	-	-	2	513.83	742.90
77	-	-	-	2	2,599.05	6,934.29
78	-	-	-	-	-	-
79	-	-	-	2	1,198.83	2,065.23
82	-	-	-	1	233.12	468.08
83	-	-	-	1	367.68	704.48
84	-	-	-	1	591.81	1,240.47
Totals	<u>1</u>	<u>\$412.44</u>	<u>\$1,098.30</u>	<u>33</u>	<u>\$16,245.97</u>	<u>\$47,332.08</u>

SCHEDULE O

WITHDRAWAL ANNUITIES TO SURVIVING BENEFICIARIES as of DECEMBER 31, 1971
OF MEMBERS WHO ELECTED OPTIONS #1, #2, #3 or #4

NEW MEMBERS

Attained Age 1971	M A L E			F E M A L E		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
15	1	\$ 312.96	\$ 2,208.24	-	\$ -	\$ -
19	3	1,923.36	8,090.04	-	-	-
20	1	471.36	743.88	-	-	-
22	-	-	-	3	1,920.60	6,479.76
28	1	39.55	117.11	-	-	-
30	-	-	-	-	-	-
31	-	-	-	1	606.96	1,053.48
33	1	123.96	337.20	1	186.72	1,317.48
34	1	556.08	1,628.40	-	-	-
36	-	-	-	1	299.76	437.01
38	-	-	-	1	29.72	3,880.80
39	-	-	-	4	1,507.20	3,972.24
40	-	-	-	-	-	-
41	-	-	-	3	1,485.96	2,414.88
42	-	-	-	3	1,540.19	8,528.61
43	-	-	-	2	833.04	1,131.72
44	-	-	-	6	4,376.28	10,212.72
45	-	-	-	3	1,212.84	1,172.88
46	-	-	-	3	1,768.80	832.92
47	-	-	-	4	2,812.43	9,088.09
48	1	528.36	2,769.00	6	5,469.48	10,840.92
49	-	-	-	9	7,351.92	12,421.44
50	-	-	-	3	1,253.28	4,403.40
51	1	1,323.84	6,331.08	11	7,178.28	15,751.80
52	-	-	-	8	5,189.28	12,717.60
53	-	-	-	10	7,649.00	21,727.43
54	-	-	-	10	8,935.19	29,438.71
55	-	-	-	12	8,841.36	15,358.08
56	-	-	-	13	8,273.48	18,583.00
57	1	624.84	2,030.88	14	8,742.04	40,250.94
58	1	658.56	1,756.08	17	13,472.40	47,116.45
59	-	-	-	18	16,035.03	67,894.37
60	-	-	-	25	11,724.92	32,188.98
61	2	1,745.64	5,551.32	13	7,272.77	25,801.45
62	-	-	-	15	7,036.08	22,036.51
63	2	581.52	1,035.24	18	11,499.49	39,438.58
64	4	3,295.35	9,266.42	17	10,337.84	22,945.89
65	3	2,353.56	9,884.54	13	9,803.92	27,761.69
66	-	-	-	13	4,234.31	12,754.09
67	2	743.52	3,159.36	17	7,848.17	27,651.94
68	-	-	-	12	5,328.19	16,139.79
69	-	-	-	14	6,413.13	13,782.06
70	-	-	-	6	2,159.17	7,074.37
71	2	925.44	3,931.92	2	1,088.75	3,675.58
72	-	-	-	7	1,527.19	3,295.63
73	1	1,073.40	723.72	3	918.72	2,100.64
74	1	410.28	1,843.20	2	1,191.54	2,140.98
75	-	-	-	1	392.80	653.01
76	-	-	-	4	2,002.06	5,480.21
77	-	-	-	1	570.59	2,229.54
78	-	-	-	1	319.54	525.94
79	-	-	-	1	189.59	920.63
81	1	338.52	590.64	-	-	-
84	-	-	-	1	1,133.36	1,401.05
85	-	-	-	2	2,664.00	7,365.12
86	-	-	-	1	712.32	1,542.12
Totals	<u>30</u>	<u>\$18,030.10</u>	<u>\$61,998.27</u>	<u>355</u>	<u>\$213,339.69</u>	<u>\$625,932.53</u>

SCHEDULE P

SUMMARY OF ANNUITIES as of DECEMBER 31, 1971

	ORIGINAL MEMBERS			NEW MEMBERS		
	Number	Member's Annuity	State Annuity	Number	Member's Annuity	State Annuity
<u>Superannuation</u>						
Male.....	784	\$ 754,707.88	\$2,569,366.70	10,412	\$ 7,043,725.91	\$20,610,807.45
Female.....	479	314,906.23	1,045,330.67	5,514	2,988,091.93	7,827,351.93
Surviving Beneficiaries:						
Female.....	203	137,717.18	360,224.25	1,240	754,132.88	1,841,550.31
Male.....	6	2,037.51	6,716.35	46	33,974.43	85,520.22
<u>Total.....</u>	<u>1,472</u>	<u>\$1,209,368.80</u>	<u>\$3,981,637.97</u>	<u>17,212</u>	<u>\$10,819,925.15</u>	<u>\$30,365,229.91</u>
<u>Disability</u>						
Male.....	19	\$ 3,685.20	\$ 14,869.29	609	\$ 215,226.62	\$ 721,443.02
Female.....	12	1,849.95	4,434.59	505	170,537.38	515,085.52
Surviving Beneficiaries:						
Female.....	-	-	-	20	9,089.27	23,361.31
Male.....	-	-	-	8	4,165.80	11,623.74
<u>Total.....</u>	<u>31</u>	<u>\$ 5,535.15</u>	<u>\$ 19,303.88</u>	<u>1,142</u>	<u>\$ 399,019.07</u>	<u>\$ 1,271,513.59</u>
<u>Withdrawal</u>						
Male.....	131	\$ 45,374.59	\$ 150,154.33	1,553	\$ 594,061.81	\$ 2,041,216.84
Female.....	104	23,506.80	70,848.31	692	265,692.70	913,784.59
Surviving Beneficiaries:						
Female.....	33	16,245.97	47,332.08	355	213,339.69	625,932.53
Male.....	1	412.44	1,098.30	30	18,030.10	61,998.27
<u>Total.....</u>	<u>269</u>	<u>\$ 85,539.80</u>	<u>\$ 269,433.02</u>	<u>2,630</u>	<u>\$ 1,091,124.30</u>	<u>\$ 3,642,932.23</u>
<u>Supplemental (Additional for Superannuation and Disability)</u>						
Male.....	(688)	-	\$ 329,758.44	(8,854)	-	\$ 732,914.49
Female.....	(475)	-	140,760.68	(4,712)	-	390,718.08
<u>Total.....</u>	<u>(1,163)</u>	<u>\$ -</u>	<u>\$ 470,519.12</u>	<u>(13,566)</u>	<u>\$ -</u>	<u>\$ 1,123,632.57</u>
<u>TOTAL ANNUITIES.....</u>	<u>1,772</u>	<u>\$1,300,443.75</u>	<u>\$4,740,893.99</u>	<u>20,984</u>	<u>\$12,310,068.52</u>	<u>\$36,403,308.30</u>
Total Annuities Payable to Original and New Members.....	22,756	\$13,610,512.27	\$41,144,202.29			

C o m p a r i s o n o f M e m b e r s h i p

	<u>As of June 30, 1966</u>		<u>As of June 30, 1967</u>		<u>As of June 30, 1968</u>	
	<u>Number</u>	<u>Salary</u>	<u>Number</u>	<u>Salary</u>	<u>Number</u>	<u>Salary</u>
<u>ORIGINAL MEMBERS - ACTIVE</u>						
Male.....	151	\$ 1,862,183	107	\$ 1,523,329	99	\$ 1,396,321
Female.....	117	773,710	92	650,124	76	566,479
<u>Total Membership and Salaries -</u>						
<u>Original Members.....</u>	268	\$ 2,635,893	199	\$ 2,173,453	175	\$ 1,962,800
<u>NEW MEMBERS - ACTIVE</u>						
Male.....	58,459	\$366,406,330	58,495	\$401,795,981	64,506	\$445,315,286
Female.....	35,318	158,840,862	36,443	182,303,068	36,953	189,532,189
<u>Total Membership and Salaries</u>						
<u>New Members.....</u>	93,777	\$525,247,192	94,938	\$584,099,049	101,459	\$634,847,475
<u>Total Membership and Salaries</u>						
<u>Original and New Members.....</u>	94,045	\$527,883,085	95,137	\$586,272,502	101,634	\$636,810,275
<u>ANNUITANTS</u>						
Original Members.....	2,039		1,967		1,810	
New Members.....	11,322		12,610		13,537	
<u>Total annuitants.....</u>	13,361		14,577		15,347	
<u>TOTAL MEMBERSHIP.....</u>	107,405		109,714		116,981	

C o m p a r i s o n o f M e m b e r s h i p

	<u>As of June 30, 1969</u>	<u>As of June 30, 1970</u>	<u>As of December 31, 1971</u>
	<u>Number</u>	<u>Number</u>	<u>Number</u>
	<u>Salary</u>	<u>Salary</u>	<u>Salary</u>
<u>ORIGINAL MEMBERS - ACTIVE</u>			
Male	61	30	26
	\$ 869,887	\$ 532,058	\$ 481,160
Female	44	30	22
	330,812	262,598	213,455
<u>Total Membership and Salaries -</u>			
<u>Original Members</u>	<u>105</u>	<u>60</u>	<u>48</u>
	<u>\$ 1,200,699</u>	<u>\$ 794,656</u>	<u>\$ 694,615</u>
<u>NEW MEMBERS - ACTIVE</u>			
Male	66,080	68,578	65,500
	\$499,489,476	\$604,594,424	\$620,824,872
Female	42,011	44,369	43,352
	231,529,290	283,108,905	303,103,901
<u>Total Membership and Salaries -</u>			
<u>New Members</u>	<u>108,091</u>	<u>112,947</u>	<u>108,852</u>
	<u>\$731,018,766</u>	<u>\$887,703,329</u>	<u>\$923,928,773</u>
<u>Total Membership and Salaries -</u>			
<u>Original and New Members</u>	<u>108,196</u>	<u>113,007</u>	<u>108,900</u>
	<u>\$732,219,465</u>	<u>\$888,497,985</u>	<u>\$924,623,388</u>
<u>ANNUITANTS</u>			
Original Members	1,758	1,720	1,772
New Members	14,950	16,810	20,984
Total Annuityants	16,708	18,530	22,756
<u>TOTAL MEMBERSHIP</u>	<u>124,904</u>	<u>131,537</u>	<u>131,656</u>

Benefit and Contribution Provisions as of December 31, 1971

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

Eligible Employes

Class A - All regular State employes as well as employes of several Commissions and Authorities and all employes of state-owned educational institutions and the Pennsylvania State University (unless such employes have joined the Public School Employees' Retirement System of Pennsylvania).

Class C - Officers and employes of the Pennsylvania State Police and enforcement officers of the Pennsylvania Liquor Control Board.

Class D-3 - Members of the General Assembly.

Class E-1 - Members of the Judiciary.

NOTE - The members of the General Assembly and the members of the Judiciary may be covered at their option as Class A members with lower benefits and contributions than those in Classes D-3 and E-1, respectively.

Age and Service Requirements for Superannuation Retirement (with full formula benefits)

Class A - Age 60 or completion of 35 years of credited service.

Classes C and D-3 - Age 50.

Class E-1 - 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 5-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 are obtained by multiplying the standard single-life annuity by a class multiplier as follows:

<u>Class</u>	<u>Class of Service Multiplier</u>
C	1
D-3	3.75
E-1	2. for each of the first 10 years of judicial service plus 1.5 for each subsequent year.

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.

NOTE: This formula produces the following basic annuity for classes other than Class A: -

- Class C - 2% of F.A.S. times service plus member's annuity.
- Class D-3 - 7½% of F.A.S. times service.
- Class E-1 - 4% of F.A.S. for first 10 years of service + 3% of F.A.S. for service over 10 years.

In addition to the above benefits, a member who 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 credit.

"Average Non-Covered Salary" is the average annual salary 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.

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

Age and Service Requirements for Early Retirement -

In the case of involuntary 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.

In the case of voluntary withdrawal Class A and Class C members are eligible after 25 years of service; Class D-3 members are eligible after 6 years; and Class E-1 members after 20 years.

Formula for Early Retirement Benefit -

The actuarial equivalent of the annuity payable at superannuation retirement age earned to the date of early retirement.

Age and Service Requirements for Disability Retirement -

Members who are totally and permanently disabled and who have at least 5 years of service.

Formula for Disability Benefit -

The larger of (a) a benefit calculated as for superannuation retirement, or (b) the smaller of (i) 33-1/3% of final average salary or (ii) 8/9ths of the superannuation retirement benefit that would have been payable if the member remained in service to superannuation retirement at the same salary as he was receiving at disability.

Eligibility for Vested Benefit -

After 10 years of service except for members of Class D-3 who are eligible after 6 years of legislative service.

Vested Benefit -

A benefit calculated as for superannuation retirement but deferred until superannuation retirement age is reached.

Eligibility for Death Benefit Prior to Retirement -

10 years of credited service or attainment of superannuation age.

Amount of Death Benefit Prior to Retirement -

At or after superannuation retirement age or after 25 years of service the full reserve value of the benefits to which the member would have been entitled, had he retired the day before he died. After 10 years of credited service but before 25 years, the corresponding reserve value is determined as above but proportionately reduced in the ratio of the actual number of years of service to 25 years or to the lesser period of service that would have been reached by age 60.

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 -

Members retiring on superannuation or disability are entitled to a supplemental allowance sufficient to build the amount of his allowance up to not less than at the rate of \$65 for each year of credited service not in excess of 40, subject to a maximum including Social Security of \$2,600 per year.

There was also a "one-shot" percentage cost-of-living increase applied as of July 1, 1968 to 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 a 1% increase for those retiring in 1966 and increased to 150% for those who retired in 1933 and earlier.

Rate of Member Contribution -

- (i) Basic rate of contribution, excluding Social Security Integration contributions -

Class A - 5% of salary

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

Class C - 5%

Rate of Member Contribution (continued)

Class D-1 - 18.75%

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

(ii) Additional contributions for Social Security Ingegration Credit -

A member of any class electing 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.

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 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 spreading the funding over 30 years, assuming the accrued liability contribution increases at least 4% each year.

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
		<u>Withdrawal</u>	<u>Death</u>	<u>Disability</u>	<u>Retirement</u>	
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.