

SOUTH CAROLINA RETIREMENT SYSTEM
REPORT OF THE ACTUARY ON
THE THIRTY-FOURTH VALUATION
PREPARED AS OF JUNE 30, 1985

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February 20, 1986

State Budget and Control Board
South Carolina Retirement System
Columbia, South Carolina 29211

Gentlemen:

We transmit herewith our report on the thirty-fourth actuarial valuation of the South Carolina Retirement System, prepared as of June 30, 1985.

The actuarial assumptions are, in the aggregate, reasonable, and represent our best estimate of anticipated experience under the System. The actuarial cost method utilized is the projected benefit method with level percentage entry age normal cost and open-end accrued liability. This cost method is specifically recognized as an acceptable method by the Employee Retirement Income Security Act of 1974. The current assets applicable to the System were supplied by the Retirement System office. They are valued at adjusted amortized cost.

In our opinion, the Schedule of Valuation Results included in this report correctly presents the condition of the South Carolina Retirement System as to those benefits which are funded on an actuarial reserve basis.

The valuation indicates that for Class One employers the total contribution rate payable, exclusive of the pre-retirement death benefit, should be continued at 3.20 per cent of earnable compensation. For Class Two employers the contribution rates, exclusive of the pre-retirement death benefit, should be continued at 6.50 per cent of earnable compensation by the State and 5.65 per cent of earnable compensation by other employers. These rates are exclusive of any payments to the post-retirement increase special fund. In addition, the contribution rates of participating employers should be continued at .30 per cent of payroll to provide the pre-retirement death benefits.

Also, .30 per cent of compensation was diverted from regular funding to the post-retirement increase special fund. The Law requires employers to make an additional contribution to this fund of .20 per cent of compensation. Thus, the total contribution rate to the post-retirement increase special fund should be .50 per cent of compensation.

Comencing with the June 30, 1986 valuation of the System, the liabilities for cost-of-living increases for retirees and active members eligible for service retirement will be included in the valuation results, and the post-retirement increase special fund will be eliminated. The estimated effect of these changes will be to increase the funding period to about 19 years.

State Budget and Control Board
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We trust that the report is in satisfactory form for use by the Board.

Respectfully submitted,

(Signed) DONALD M. OVERHOLSER

Donald M. Overholser
Consulting Actuary

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REPORT ON AN ACTUARIAL VALUATION OF THE
SOUTH CAROLINA RETIREMENT SYSTEM
PREPARED AS OF JUNE 30, 1985

SECTION I - SUMMARY OF PRINCIPAL RESULTS

1. For convenience of reference, the principal results of the valuation and a comparison with the preceding valuation's results are summarized below:

| <u>Valuation Date</u> | <u>6/30/85</u> | <u>6/30/84</u> |
|--|------------------|------------------|
| Number of active members: | | |
| Men | 52,237 | 51,093 |
| Women | 93,558 | 88,617 |
| Total | 145,795 | 139,710 |
| Annual earnable compensation of active members during year: | | |
| Men | \$ 1,013,741,749 | \$ 918,725,667 |
| Women | 1,377,549,869 | 1,179,538,433 |
| Total | \$ 2,391,291,618 | \$ 2,098,264,100 |
| Number of retired members and beneficiaries | 30,977 | 29,402 |
| Annual retirement allowances | \$ 142,455,214 | \$ 122,284,319 |
| Assets for valuation purposes | \$ 3,576,866,838 | \$ 3,084,231,278 |
| Normal contribution as per cent of compensation: | | |
| Class One Service | 2.32% | 2.32% |
| Class Two Service: | | |
| State | 3.74 | 3.74 |
| Others | 3.19 | 3.19 |
| Unfunded accrued liability (UAL) | \$ 210,042,646 | \$ 241,369,533 |
| Unfunded accrued liability contribution as per cent of compensation: | | |
| Class One Service | 1.28 ✓ .88% | .88% |
| Class Two Service: | | |
| State | 3.26 2.76 2.76 | 2.76 |
| Others | 2.76 2.46 | 2.46 |

| (continued) | | |
|---|---------|---------|
| Valuation Date | 6/30/85 | 6/30/84 |
| Unfunded accrued liability liquidation period (years) | 4 / | 5 |
| Pre-retirement death benefit contribution as per cent of compensation | .30% | .30% |
| Post-retirement increase special fund contribution as per cent of compensation* | .50% | .50% |

*Includes .30% diverted from the regular funding to the post-retirement increase special fund established by legislation effective July 1, 1981. Remainder is additional contribution required of all employers.

2. Comments on the valuation results as of June 30, 1985 are given in Section IV and further discussion of the contribution levels is set out in Section V. There were no amendments made to the provisions of the Retirement System since the June 30, 1984 valuation that affected the valuation results.
3. Schedule B of this report outlines the full set of actuarial assumptions and methods employed. The provisions of the System are summarized in Schedule C.

SECTION II - MEMBERSHIP DATA

1. In order to obtain the aggregate liabilities and assets on account of members of the System as of June 30, 1985, data were needed with respect to each active member and beneficiary of the System and also with respect to terminations during the valuation year. The data with respect to both active and terminated members and beneficiaries were furnished to the actuary by the Retirement System office on a magnetic tape.

2. From the data, tabulations were made showing as of June 30, 1985 the number and annual earnable compensation of active members classified by age and years of service and the number and retirement allowances of retired members and beneficiaries on the roll as of June 30, 1985 classified by age. These tabulations are presented in Schedule D.
3. The following table shows the number of active members of the Retirement System together with earnable compensation as of June 30, 1985.

TABLE I

THE NUMBER AND EARNABLE COMPENSATION OF ACTIVE MEMBERS
AS OF JUNE 30, 1985

| GROUP | MEN | WOMEN | TOTAL |
|-----------------------|------------------|------------------|------------------|
| EMPLOYEES | | | |
| Number | 39,349 | 43,022 | 82,371 |
| Earnable Compensation | \$ 758,937,637 | \$ 626,446,299 | \$ 1,385,383,936 |
| TEACHERS | | | |
| Number | 12,888 | 50,536 | 63,424 |
| Earnable Compensation | \$ 254,804,112 | \$ 751,103,570 | \$ 1,005,907,682 |
| TOTAL | | | |
| Number | 52,237 | 93,558 | 145,795 |
| Earnable Compensation | \$ 1,013,741,749 | \$ 1,377,549,869 | \$ 2,391,291,618 |

NOTE: There are in addition 78,320 inactive members, 8,068 active members not on the payroll as of the valuation date, and 328 members with insufficient information. The results of the valuation were adjusted to take these members into account.

4. The following table shows the number and annual amount of retirement allowances payable to retired members and to beneficiaries of deceased retired and active members as of June 30, 1985.

TABLE II

THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF
RETIRED MEMBERS AND BENEFICIARIES ON THE ROLL
AS OF JUNE 30, 1985

| GROUP | NUMBER | TOTAL ANNUAL RETIREMENT ALLOWANCES |
|---|--------|--|
| Service Retirements | | |
| Teachers: | | |
| Men | 2,613 | \$ 15,780,427 |
| Women | 12,018 | 56,663,697 |
| Employees: | | |
| Men | 6,104 | 31,652,311 |
| Women | 4,723 | 17,930,558 |
| Total | 25,458 | \$ 122,026,993 |
| Disability Retirements | | |
| Teachers: | | |
| Men | 344 | \$ 1,722,668 |
| Women | 974 | 4,196,434 |
| Employees: | | |
| Men | 1,244 | 4,944,401 |
| Women | 744 | 2,719,486 |
| Total | 3,306 | \$ 13,582,989 |
| Beneficiaries of Deceased Retired Members and Active Members | | |
| Men | 290 | \$ 854,369 |
| Women | 1,923 | 5,990,863 |
| Total | 2,213 | \$ 6,845,232 |
| Grand Total | 30,977 | \$ 142,455,214 |

SECTION III - ASSETS

The amounts of the present assets taken into account in this valuation are at adjusted amortized cost. The values of the assets were taken from a statement furnished by the Director of the System and exclude reserve assets creditable to the Group Life Insurance Fund for pre-retirement lump sum death benefits and the Cost-of-Living Fund for post-retirement increases.

Included in the valuation are the assets of the employee annuity savings fund which represent the accumulated contributions of members together with interest thereon. As of June 30, 1985, these assets amounted to \$979,989,936.

Also included in the valuation are the assets of the employer annuity accumulation fund to which the contributions made by employers are credited and from which are paid all benefits on account of retired members and their beneficiaries. The assets of the accumulation fund amounted to \$2,596,876,902 as of June 30, 1985.

SECTION IV - COMMENTS ON THE VALUATION

Schedule A of this report contains the results of the valuation which show present and prospective assets and liabilities of the System as of June 30, 1985. The following comments on the valuation are pertinent:

The schedule shows that the System has actuarial liabilities of \$6,539,765,544, of which \$1,146,520,792 is for the prospective benefits payable on account of present retired members and beneficiaries and \$5,393,244,752 is for the prospective benefits payable on account of present active and inactive members. Against these liabilities, the System has present assets of \$3,576,866,838 and anticipated future contributions by members of \$1,670,391,218, leaving a balance of \$1,292,507,488 to be provided by future contributions of the employers. Of this amount, \$1,082,464,842

represents the present value of normal contributions by the employers and the balance of \$210,042,646 represents the present value of accrued liability contributions.

The retirement act provides that the contributions of employers shall consist of a normal contribution to cover the liability on account of service currently rendered and an accrued liability contribution on account of liabilities for past service which are not covered by present assets.

The following rates of contribution are payable by employers exclusive of the rate required for the pre-retirement lump sum death benefit and post-retirement increase special fund:

For Class One employers, the total employer contribution rate should be continued at 3.20 per cent of earnable compensation, of which 2.32 per cent is attributable to the normal contribution and .88 per cent is attributable to the accrued liability contribution for the period July 1, 1985 to June 30, 1986.

For Class Two employers, the total contribution rate should be continued at 6.50 per cent payable by the State and 5.65 per cent by the other Class Two employers. Of the total rates, 3.74 per cent and 3.19 per cent are attributable to normal contributions of the State and other employers, respectively. The accrued liability rates are therefore 2.76 per cent for the State and 2.46 per cent for other employers for the period July 1, 1985 to June 30, 1986.

On the basis of the above accrued liability contribution rates it is anticipated that the accrued liability of \$210,042,646 shown in the valuation balance sheet will be liquidated within a period of four years from the valuation date.

The rate necessary to provide the pre-retirement lump sum death benefit on a one-year term cost basis may be continued at .30 per cent of earnable compensation on the basis of the valuation. In view of the development of reserve assets of \$36,904,973 creditable to the Group Life Insurance Fund, consideration should be given to reducing the rate in the near future. Employers participating in the Pre-retirement Death Benefit Program should contribute .30 per cent of earnable compensation in addition to the appropriate rate above.

The employer contribution rate of .30 per cent of compensation has been diverted from regular funding to the post-retirement increase special fund established by legislation effective July 1, 1981. In addition, all employers are required by Law to make an additional contribution of .20 per cent of compensation to this fund which had assets in the amount of \$9,230,937 as of June 30, 1985. Therefore, a total contribution rate of .50 per cent of compensation should be made by all employers to the post-retirement increase special fund.

SECTION V - CONTRIBUTIONS PAYABLE UNDER THE SYSTEM

The following table gives the rates of contribution payable by employers, as determined on the basis of the present valuation.

| RATES OF CONTRIBUTION | CLASS ONE | CLASS TWO | |
|--|--------------|------------|------------|
| | | State | Others |
| Normal | 2.32% | 3.74% | 3.19% |
| Accrued Liability | .88 | 2.76 | 2.46 |
| Pre-retirement Death Benefit | .30 | .30 | .30 |
| Post-retirement Increase Special Fund | <u>.50</u> | <u>.50</u> | <u>.50</u> |
| Total | 4.00% | 7.30% | 6.45% |

SECTION VI - VALUATION BASIS

The valuation of the Retirement System was made on the basis of the rates of separation and mortality tables in effect since June 11, 1974 and a salary scale and interest rate of 7% adopted by the Board on April 8, 1980. An outline of the actuarial assumptions and methods employed is presented in Schedule B.

SECTION VII - ACCOUNTING INFORMATION

1. Opinion No. 8 of the Accounting Principles Board of the American Institute of Certified Public Accountants, as amended by Statement No. 36 of the Financial Accounting Standards Board, requires that certain items of information concerning retirement systems be furnished by the actuary for the State's audited financial statements.
2. Statement No. 35 of the Financial Accounting Standards Board requires that certain items of information be furnished by the actuary for the system's audited financial statements.
3. The information required by the amended Opinion No. 8 and Statement No. 35 includes the actuarial present value of accrued (accumulated) benefits as of the valuation date. The relevant amounts as of June 30, 1985 are:

Actuarial present value of accrued
benefits:

Vested benefits

| | |
|--|----------------|
| Participants currently receiving payments | \$ 985,744,096 |
|--|----------------|

| | |
|--------------------|--------------------|
| Other participants | <u>777,069,998</u> |
|--------------------|--------------------|

| | |
|--|------------------|
| | \$ 1,762,814,094 |
|--|------------------|

| | |
|--------------------|--------------------|
| Nonvested benefits | <u>242,676,720</u> |
|--------------------|--------------------|

| | |
|-------|------------------|
| Total | \$ 2,005,490,814 |
|-------|------------------|

The actuarial present value of vested and nonvested accrued benefits is based on an interest rate of 9-1/2%. This rate represents the estimated constant equivalent rate of return for the periods during which payment of these benefits will be deferred based on the interest rates in use as of the valuation date to calculate the Pension Benefit Guaranty Corporation's annuity values for terminating plans covered by the Employee Retirement Income Security Act of 1974.

SCHEDULE A

RESULTS OF THE VALUATION AS OF JUNE 30, 1985

| | | |
|------|--|----------------------|
| (1) | Actuarial Liabilities | |
| | Present value of prospective benefits payable in respect of: | |
| | (a) Present retired members and beneficiaries | \$ 1,146,520,792 |
| | (b) Present active and inactive members | <u>5,393,244,752</u> |
| | (c) Total actuarial liabilities | \$ 6,539,765,544 |
| (2) | Assets of the System | <u>3,576,866,838</u> |
| (3) | Unfunded Value of Prospective Benefits = (1)(c) - (2) | \$ 2,962,898,706 |
| (4) | Present Value of Future Contributions by Members | <u>1,670,391,218</u> |
| (5) | Total Prospective Contributions by Employers = (3) - (4) | \$ 1,292,507,488 |
| (6) | Present Values of 1 Per Cent of Future Compensation | |
| | (a) Class One Service | \$ 2,348,554 |
| | (b) Class Two Service: State | 256,077,368 |
| | (c) Class Two Service: Others | 37,393,994 |
| (7) | Present Value of Future Normal Contributions by Employers at | |
| | (a) $2.32\% = (6)(a) \times 2.32$ | \$ 5,448,645 |
| | (b) $3.74\% = (6)(b) \times 3.74$ | 957,729,356 |
| | (c) $3.19\% = (6)(c) \times 3.19$ | <u>119,286,841</u> |
| | (d) Total | \$ 1,082,464,842 |
| (8) | Present Value of Accrued Liability Contributions by Employers = (5) - (7)(d) | \$ 210,042,646 |
| (9) | Accrued Liability Rates | |
| | (a) Class One Service | .88% |
| | (b) Class Two Service: State | 2.76 |
| | (c) Class Two Service: Others | 2.46 |
| (10) | Accrued Liability Liquidation Period | 4 years |
| (11) | Pre-retirement Death Benefit Contribution Rate | .30% |
| (12) | Post-retirement Increase Special Fund Contribution Rate | .50% |

SCHEDULE B

OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

INTEREST RATE: 7% per annum, compounded annually.

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

| Age | Annual Rates of | | | | | | | |
|-----|-----------------|-------|-----------------|----------------------------|-----------------|-------|-----------------|----------------------------|
| | With- drawal | Death | Dis- ability | Service Retire- ment | With- drawal | Death | Dis- ability | Service Retire- ment |
| | Men Teachers | | | | Women Teachers | | | |
| 20 | 11.11% | .04% | .01% | | 13.79% | .03% | .02% | |
| 25 | 9.97 | .05 | .01 | | 12.83 | .03 | .03 | |
| 30 | 7.91 | .08 | .02 | | 9.12 | .04 | .04 | |
| 35 | 6.06 | .12 | .03 | | 5.61 | .06 | .04 | |
| 40 | 4.67 | .18 | .06 | | 3.43 | .08 | .07 | |
| 45 | 3.67 | .25 | .11 | | 2.33 | .13 | .12 | |
| 50 | 2.83 | .35 | .20 | 4.00% | 1.74 | .20 | .20 | 4.00% |
| 55 | 2.03 | .50 | .34 | 5.50 | 1.18 | .29 | .35 | 6.00 |
| 60 | | .70 | .59 | 7.50 | | .45 | .61 | 8.00 |
| 64 | | .92 | .94 | 20.00 | | .66 | .82 | 35.00 |

| Age | With- drawal | Death | Dis- ability | Service Retire- ment | Salary Increase |
|-----|-----------------|-------|-----------------|----------------------------|------------------------|
| | Employees | | | | Teachers and Employees |
| | | | | | |
| 20 | 11.11% | .07% | .04% | | 11.31% |
| 25 | 9.97 | .09 | .04 | | 10.40 |
| 30 | 7.91 | .11 | .06 | | 9.00 |
| 35 | 6.06 | .14 | .08 | | 7.30 |
| 40 | 4.67 | .18 | .10 | | 6.51 |
| 45 | 3.67 | .28 | .15 | | 6.10 |
| 50 | 2.83 | .46 | .25 | 2.00% | 5.80 |
| 55 | 2.03 | .75 | .40 | 3.50 | 5.60 |
| 60 | | 1.08 | .61 | 5.00 | 5.40 |
| 65 | | 1.36 | .85 | 17.50 | 5.30 |

DEATHS AFTER RETIREMENT: Combined Annuity Mortality Tables, Modified and Makehamized, for service retirement and dependent beneficiaries with a 2 year setback in ages for men employees, a 3 year setback for women employees, men teachers and men dependents and a 4 year setback for women teachers and women dependents. A special mortality table is used for disability retirements.

LOADING OR CONTINGENCY RESERVES: None.

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

ASSET VALUATION METHOD: Adjusted amortized cost.

SCHEDULE CSUMMARY OF MAIN SYSTEM PROVISIONS AS
INTERPRETED FOR VALUATION PURPOSESBACKGROUND

The South Carolina Retirement System was established as of July 1, 1945. There are two classes of employers and members under the System. Those employers becoming participants in the System on or after July 1, 1964 are Class Two employers. Class One employers include all employers who elected, by written notice to the Board not later than December 31, 1964, to remain and have their members remain under the provisions of the System as in effect on June 30, 1964. Class Two employers include all employers who elect, by written notice to the Board in allowable election periods, to participate and have their members participate as Class Two members provided such employers and employees in their employ make additional required contributions.

A summary of the main benefit provisions of the System, as interpreted in preparing the actuarial valuation, and a summary of the sources of revenue from which benefits are paid is presented in the following digest. "Average final compensation" means the average annual earnable compensation of a member during the three consecutive fiscal years of his creditable service producing the highest such average. "Prior service" means service prior to July 1, 1945 for which credit is allowed. "Membership service" means service rendered while a member of the System for which credit is allowed. The term "creditable service" means the sum of prior service and membership service.

BENEFITS

Service Retirement Allowance

Condition for Retirement

A retirement allowance is payable upon the request of any teacher or employee who has attained age 60 or has rendered 30 or more years of creditable service.

A member must retire at age 70 except that with the approval of both his employer and the Board, the member may remain in service to the end of the fiscal year in which he reaches his seventy-second birthday.

Amount of Allowance

Effective July 1, 1976 on service retirement, a Class One member receives a retirement allowance equal to 1% of the portion of his average final compensation not in excess of \$4,800, plus 1.30% of such compensation in excess of \$4,800, multiplied by the number of years of his creditable service.

On service retirement, a Class Two member receives a retirement allowance equal to 1.25% of the portion of his average final compensation not in excess of \$4,800, plus 1.65% of the portion of such compensation in excess of \$4,800, multiplied by the number of years of his creditable service.

If a member has not attained age 65 or completed 30 years of creditable service at the time of retirement, his allowance is reduced $\frac{5}{12}$ of 1% for each month by which his age at retirement is less than age 65.

In no event will a Class One member who retires on or subsequent to July 1, 1976 or a Class Two member whose creditable service commenced on or before June 30, 1964 receive a smaller retirement allowance than he would have received under the benefit provisions applicable to a Class One member in effect prior to July 1, 1976.

Effective July 1, 1975 out-of-State service means service as a teacher or employee rendered by a member of the System for any state, territory or other governmental subdivision under the jurisdiction of the United States other than this State.

Effective July 1, 1975 out-of-State service is creditable irrespective of when it was performed at a cost of 10% of current annual earnable compensation for each year established, provided that the earnable compensation used cannot be less than his earnable compensation in any one of the three preceding fiscal years.

If the member's creditable service does not, at his retirement, exceed his out-of-State service, the employer annuity based on his total out-of-State service before and after July 1, 1945 shall be reduced in the proportion which his creditable service bears to his out-of-State service.

Disability Retirement Allowance

Condition for Allowance

A disability retirement allowance is payable to any member who while in service becomes permanently incapacitated for duty mentally or physically, and who has had 5 or more years of creditable service.

Amount of Allowance

Upon disability retirement, on or after July 1, 1976, a Class One or a Class Two member receives a service retirement allowance if he has attained age 65 otherwise he receives a disability retirement allowance equal to the service retirement allowance which would have been payable had he continued in service to age 65, minus the actuarial equivalent of the contributions he would have made during such continued service. The compensation to be used for purposes of computing this benefit is the average final compensation as of the date of disability.

In no event will a Class One member whose creditable service commenced prior to July 1, 1976 receive a smaller allowance than he would have received under the disability benefit provisions applicable to Class One members prior to July 1, 1976.

In no event will a Class Two member whose creditable service commenced on or before June 30, 1964 receive a smaller allowance than he would have received under the disability benefit provisions applicable to a Class One member.

Deferred Retirement
Allowance

Condition for Allowance

A deferred retirement allowance, commencing at age 60, is payable to any member who ceases to be a teacher or an employee after he has rendered at least 5 years of creditable service, provided he leaves his contributions in the System.

Amount of Allowance

The deferred retirement allowance is computed like a service retirement allowance, except that the employee annuity is the actuarial equivalent at age 60 of the member's contributions with such interest credits as are allowed.

Supplemental Minimum
Allowance

Upon retirement after 20 or more years of creditable service a supplemental monthly sum is paid, in addition to the regular allowance and any amount provided from the general funds of the State, to provide a minimum of \$150 per month plus \$1 per month for each completed year of service in excess of 20, reduced by $\frac{5}{12}$ of 1% for each month by which the member's age at retirement is less than age 65 unless he has completed 35 years of creditable service.

Return of Contributions and
Optional Death Benefit

Upon the withdrawal of a member without a retirement benefit, he is paid his total contributions with the accumulated regular interest thereon.

Upon the death of a member before retirement, his accumulated contributions are payable to his designated beneficiary or to his estate.

Upon the death of a member before retirement who had 30 years of creditable service or had attained age 65, or who had 20 years of creditable service and attained age 60, the person nominated to receive the amount of the member's accumulated contributions may elect to receive, in lieu of such accumulated contributions, an allowance for life in an amount as if the member had retired on the date of his death under Option 2 as described below. If such a person has received a refund of the

member's accumulated contributions, he may, upon repayment of such refund in a single sum, receive the allowance under Option 2 from the time of the repayment of the contributions to the System.

Upon the death of a member before retirement who had 15 years of creditable service, the person nominated to receive the amount of the member's accumulated contributions may elect to receive, in lieu of such accumulated contributions and the Group Life Insurance payment, an allowance for life in an amount as if the member had retired on the date of his death and had elected for payments to commence at age 60 under Option 2 as described below. The compensation to be used for purposes of computing this benefit is the average final compensation as of the date of death.

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

Lump Sum Death Benefit

Upon the death of a contributing member in service after the completion of one year of membership service or at any time if death is a result of an injury arising out of and in the course of the performance of duty, a lump sum equal to the member's annual earnable compensation at the time of death is paid to the person he has nominated for the refund of his accumulated contributions or estate, provided the member's employer is a participant in the Pre-retirement Death Benefit Program. Benefits under this program are to be provided in the form of group life insurance.

Optional Allowance

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

Option 1. A reduced retirement allowance payable during the retired member's life,

with the provision that, if he dies within 10 years from his retirement date, an amount equal to his accumulated contributions at retirement, less 1/120 for each month he received a retirement allowance payment, shall be paid to a designated person.

Option 2. A reduced retirement allowance payable during the retired member's life, with the provision that after his death the reduced retirement allowance is to be continued to a designated beneficiary.

Option 3. A reduced retirement allowance payable during the retired member's life, with the provision that after his death one-half the reduced retirement allowance is to be continued to a designated beneficiary.

Option 4. A retirement allowance in such amount that, together with his Social Security benefit, he will receive approximately the same income per annum before and after the earliest age at which he is eligible for a Social Security benefit. A member who makes an election of this Option 4 shall be deemed to have made a further election of Option 1.

Option 5. A member may elect Option 2 or Option 3 with the added provision that in the event the designated beneficiary predeceases the member, the retirement allowance payable to the member after the designated beneficiary's death shall be equal to the retirement allowance which would have been payable had the member not elected the option.

Post-Retirement
Increases in Allowances

If the increase in the Consumer Price Index for the previous year ending December 31 equals or exceeds 3%, the retirement allowance of each beneficiary in receipt of an allowance for at least one year as of said December 31 is to be increased by 4%. Any increase in allowance granted hereunder through July 1, 1980 is to be permanent, irrespective of any subsequent decrease in the Consumer Price Index, and is to be included in determining any subsequent increase. Effective July 1, 1981 all

subsequent increases in allowances will be paid from the post-retirement increase special fund and are guaranteed only to the extent of the assets in that fund.

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

CONTRIBUTIONS

By Members

Effective July 1, 1964, without regard to the member's Social Security coverage, Class One members contribute at the rate of 3% of earnable compensation not in excess of \$4,800, and 5% of the portion in excess of \$4,800, and Class Two members contribute at the rate of 4% of earnable compensation not in excess of \$4,800, and 6% of the portion in excess of \$4,800.

By Employers

Employers make annual contributions consisting of a "normal contribution" and an "accrued liability contribution". The "normal contribution" rate is determined by the actuary after each valuation. The "accrued liability contribution" rate is determined by the first actuarial valuation of the System, provided, however, that such rate shall be increased on the basis of subsequent valuations if benefits are increased. Such rate may be decreased if the actuary engaged by the Board certifies that such reduction will not impair the System. Each year's accrued liability payment is to be at least 3% greater than the preceding annual accrued liability payment subject to the preceding sentence. On and after July 1, 1946, all employers' contributions for teachers are paid by the State.

Effective July 1, 1981, .30% of payroll will be diverted from the accrued liability rate to the post-retirement increase special fund and employers will make an additional .20% of payroll contribution to that fund.

SCHEDULE D

TABLE 1

THE NUMBER AND EARNABLE COMPENSATION
OF MEMBERS DISTRIBUTED BY
AGE AS OF JUNE 30, 1985

| AGE | MEN | | WOMEN | |
|-----|--------|------------|--------|------------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 16 | 1 \$ | 8,516 | 3 \$ | 2,689 |
| 17 | 4 | 5,968 | 4 | 6,881 |
| 18 | 25 | 75,341 | 17 | 71,518 |
| 19 | 164 | 1,175,971 | 111 | 727,529 |
| 20 | 332 | 2,575,921 | 256 | 1,930,020 |
| 21 | 481 | 3,828,058 | 463 | 3,825,786 |
| 22 | 581 | 5,092,009 | 689 | 6,250,087 |
| 23 | 767 | 7,708,671 | 1,585 | 16,944,731 |
| 24 | 1,040 | 11,329,332 | 2,114 | 24,562,972 |
| 25 | 1,078 | 12,975,896 | 2,280 | 27,480,456 |
| 26 | 1,260 | 15,575,056 | 2,527 | 32,104,865 |
| 27 | 1,222 | 16,276,488 | 2,669 | 34,937,607 |
| 28 | 1,338 | 18,714,555 | 2,943 | 38,919,410 |
| 29 | 1,518 | 21,536,969 | 3,057 | 42,678,841 |
| 30 | 1,485 | 22,584,348 | 3,144 | 44,295,940 |
| 31 | 1,535 | 24,307,925 | 3,404 | 49,361,313 |
| 32 | 1,652 | 27,323,150 | 3,413 | 50,585,052 |
| 33 | 1,723 | 30,463,272 | 3,569 | 54,092,381 |
| 34 | 1,698 | 30,913,422 | 3,493 | 54,448,365 |
| 35 | 1,768 | 33,185,903 | 3,465 | 53,974,040 |
| 36 | 1,851 | 36,770,365 | 3,453 | 54,109,680 |
| 37 | 1,767 | 36,960,576 | 3,353 | 52,797,255 |
| 38 | 1,918 | 41,303,913 | 3,694 | 58,009,040 |
| 39 | 1,727 | 38,223,186 | 3,216 | 50,518,880 |
| 40 | 1,369 | 31,014,850 | 2,520 | 39,915,410 |
| 41 | 1,386 | 31,663,667 | 2,535 | 39,492,807 |
| 42 | 1,347 | 31,663,377 | 2,532 | 39,754,989 |
| 43 | 1,253 | 29,497,728 | 2,388 | 37,177,544 |
| 44 | 1,175 | 27,807,399 | 2,124 | 33,372,299 |
| 45 | 1,130 | 27,366,239 | 1,987 | 31,133,642 |
| 46 | 1,069 | 25,001,844 | 1,898 | 29,144,948 |
| 47 | 1,118 | 27,003,110 | 1,798 | 27,769,194 |
| 48 | 1,005 | 22,414,555 | 1,734 | 26,567,886 |
| 49 | 1,042 | 24,224,407 | 1,642 | 24,907,919 |
| 50 | 1,012 | 22,932,587 | 1,730 | 26,487,039 |
| 51 | 1,035 | 24,105,595 | 1,653 | 25,201,020 |
| 52 | 1,043 | 23,526,745 | 1,555 | 24,338,496 |
| 53 | 1,102 | 24,787,890 | 1,610 | 24,441,863 |
| 54 | 896 | 20,975,509 | 1,471 | 22,928,735 |
| 55 | 987 | 21,579,936 | 1,390 | 21,595,474 |

TABLE 1
THE NUMBER AND EARNABLE COMPENSATION
OF MEMBERS DISTRIBUTED BY
AGE AS OF JUNE 30, 1985

CONTINUED

| AGE | NUMBER | MEN | | NUMBER | WOMEN | |
|-----------|--------|-----------------|--|--------|-----------------|--|
| | | AMOUNT | | | AMOUNT | |
| 56 | 900 | \$ 20,451,444 | | 1,364 | \$ 20,689,046 | |
| 57 | 899 | 19,293,987 | | 1,378 | 20,774,087 | |
| 58 | 831 | 18,036,066 | | 1,366 | 21,033,604 | |
| 59 | 783 | 17,156,794 | | 1,160 | 17,353,952 | |
| 60 | 793 | 16,683,741 | | 1,105 | 16,863,652 | |
| 61 | 711 | 15,553,843 | | 1,001 | 15,277,068 | |
| 62 | 607 | 13,399,079 | | 691 | 10,440,833 | |
| 63 | 509 | 11,121,324 | | 582 | 8,640,846 | |
| 64 | 393 | 9,200,755 | | 447 | 6,469,477 | |
| 65 | 298 | 6,506,728 | | 360 | 5,396,895 | |
| 66 | 169 | 3,735,489 | | 208 | 2,706,475 | |
| 67 | 115 | 2,331,838 | | 122 | 1,573,089 | |
| 68 | 82 | 1,703,625 | | 95 | 1,126,752 | |
| 69 | 74 | 1,384,354 | | 73 | 868,507 | |
| 70 | 55 | 1,076,040 | | 42 | 562,759 | |
| 71 | 43 | 752,473 | | 32 | 392,625 | |
| 72 | 28 | 356,884 | | 27 | 286,797 | |
| 73 | 13 | 162,330 | | 8 | 85,505 | |
| 74 | 5 | 114,060 | | 2 | 18,828 | |
| 75 | 6 | 48,183 | | 3 | 50,520 | |
| 76 | 3 | 11,044 | | 2 | 54,225 | |
| 77 | 2 | 6,720 | | | | |
| 78 | 4 | 5,013 | | | | |
| 79 | 4 | 27,695 | | | | |
| 80 | 1 | 16,120 | | | | |
| 81 | 2 | 49,647 | | | | |
| 82 | 1 | 10,560 | | 1 | 19,724 | |
| 84 | 1 | 40,598 | | | | |
| 85 | 1 | 25,066 | | | | |
| TOTAL | 52,237 | \$1,013,741,749 | | 93,558 | \$1,377,549,869 | |
| SUMMARY | | | | | | |
| EMPLOYEES | 39,349 | \$ 758,937,637 | | 43,022 | \$ 626,446,299 | |
| TEACHERS | 12,888 | \$ 254,804,112 | | 50,536 | \$ 751,103,570 | |

SEE FOOTNOTE TABLE I

TABLE 2
THE NUMBER AND EARNABLE COMPENSATION
OF MEMBERS DISTRIBUTED BY
YEARS OF CREDITED SERVICE AS OF JUNE 30, 1985

| YEARS OF SERVICE | MEN | | WOMEN | |
|------------------------|--------|---------------|--------|---------------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 0 | 3,894 | \$ 51,835,454 | 4,530 | \$ 51,764,397 |
| 1 | 6,234 | 78,970,051 | 12,160 | 128,831,277 |
| 2 | 4,120 | 59,670,225 | 7,205 | 88,442,907 |
| 3 | 3,031 | 47,187,406 | 5,582 | 73,007,532 |
| 4 | 3,179 | 52,891,133 | 5,680 | 76,328,493 |
| 5 | 2,842 | 49,492,988 | 5,611 | 75,245,976 |
| 6 | 3,038 | 54,174,200 | 6,143 | 82,774,007 |
| 7 | 2,619 | 49,496,977 | 5,540 | 79,642,370 |
| 8 | 2,200 | 43,143,268 | 4,586 | 68,026,985 |
| 9 | 1,915 | 38,916,521 | 4,005 | 60,913,291 |
| 10 | 1,739 | 38,213,573 | 3,712 | 57,531,883 |
| 11 | 2,028 | 44,590,169 | 4,119 | 67,428,765 |
| 12 | 1,973 | 45,698,650 | 3,593 | 60,671,164 |
| 13 | 1,717 | 41,751,665 | 3,088 | 53,931,596 |
| 14 | 1,440 | 36,390,600 | 2,669 | 47,553,675 |
| 15 | 1,248 | 31,497,297 | 2,276 | 41,033,321 |
| 16 | 1,158 | 29,128,427 | 1,982 | 37,008,285 |
| 17 | 916 | 23,780,171 | 1,613 | 30,066,520 |
| 18 | 799 | 21,141,381 | 1,324 | 24,955,070 |
| 19 | 731 | 19,769,778 | 1,191 | 22,812,941 |
| 20 | 637 | 17,039,161 | 906 | 18,303,804 |
| 21 | 527 | 14,425,927 | 806 | 16,340,434 |
| 22 | 486 | 13,449,987 | 646 | 13,698,974 |
| 23 | 419 | 11,620,896 | 561 | 11,864,697 |
| 24 | 363 | 10,335,964 | 518 | 10,869,610 |
| 25 | 394 | 10,886,635 | 475 | 10,100,720 |
| 26 | 353 | 9,802,668 | 432 | 9,335,174 |
| 27 | 324 | 9,386,666 | 370 | 8,202,880 |
| 28 | 296 | 8,618,172 | 411 | 9,290,634 |
| 29 | 307 | 8,875,532 | 400 | 8,732,595 |
| 30 | 265 | 7,936,071 | 336 | 7,378,060 |
| 31 | 148 | 4,472,182 | 216 | 5,125,958 |
| 32 | 175 | 5,186,157 | 179 | 4,118,908 |
| 33 | 127 | 3,739,140 | 134 | 3,142,882 |
| 34 | 134 | 3,956,949 | 146 | 3,295,549 |
| 35 | 102 | 3,286,534 | 96 | 2,115,954 |

TABLE 2
THE NUMBER AND EARNABLE COMPENSATION
OF MEMBERS DISTRIBUTED BY
YEARS OF CREDITED SERVICE AS OF JUNE 30, 1985

CONTINUED

| YEARS OF SERVICE | MEN | | WOMEN | |
|------------------------|--------|-----------------|--------|-----------------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 36 | 88 | \$ 2,705,834 | 78 | \$ 1,831,909 |
| 37 | 72 | 2,534,976 | 68 | 1,667,508 |
| 38 | 60 | 2,321,644 | 55 | 1,241,133 |
| 39 | 40 | 1,470,893 | 35 | 894,500 |
| 40 | 26 | 1,020,707 | 28 | 725,403 |
| 41 | 28 | 1,138,860 | 8 | 210,148 |
| 42 | 15 | 635,514 | 14 | 317,331 |
| 43 | 10 | 344,733 | 15 | 328,110 |
| 44 | 7 | 282,244 | 5 | 137,493 |
| 45 | 6 | 265,662 | 2 | 76,976 |
| 46 | 2 | 42,078 | 4 | 105,339 |
| 47 | 2 | 112,463 | 2 | 46,772 |
| 48 | | | 1 | 16,408 |
| 49 | 2 | 65,859 | | |
| 50 | | | 2 | 63,551 |
| 51 | 1 | 41,707 | | |
| TOTAL | 52,237 | \$1,013,741,749 | 93,558 | \$1,377,549,869 |

SUMMARY

| | | | | |
|-----------|--------|----------------|--------|----------------|
| EMPLOYEES | 39,349 | \$ 758,937,637 | 43,022 | \$ 626,446,299 |
| TEACHERS | 12,888 | \$ 254,804,112 | 50,536 | \$ 751,103,570 |

SEE FOOTNOTE TABLE I

TABLE 3

THE DISTRIBUTION OF THE NUMBER AND ANNUAL
RETIREMENT ALLOWANCES OF RETIRED MEMBERS
AND BENEFICIARIES BY AGE AS OF JUNE 30, 1985

SERVICE RETIREMENTS AND BENEFICIARIES

| AGE | MEN | | WOMEN | |
|-----|--------|---------|--------|---------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 8 | 1 \$ | 2,779 | | |
| 9 | 1 | 1,934 | 1 \$ | 7,101 |
| 14 | | | 1 | 200 |
| 15 | | | 1 | 3,914 |
| 16 | 1 | 7,043 | 1 | 5,403 |
| 18 | | | 1 | 5,414 |
| 19 | | | 2 | 2,777 |
| 20 | 1 | 2,502 | 2 | 3,065 |
| 21 | 3 | 3,152 | 2 | 2,230 |
| 22 | | | 2 | 4,225 |
| 23 | 1 | 4,805 | 2 | 3,018 |
| 24 | 1 | 4,648 | | |
| 25 | 1 | 737 | 1 | 574 |
| 26 | 2 | 3,919 | 2 | 12,741 |
| 27 | 1 | 2,593 | 2 | 2,958 |
| 28 | 4 | 10,420 | 2 | 7,461 |
| 29 | 4 | 13,335 | 3 | 3,782 |
| 30 | 4 | 12,004 | 6 | 20,423 |
| 31 | 5 | 18,083 | 4 | 14,781 |
| 32 | 1 | 5,421 | 1 | 1,241 |
| 33 | 2 | 3,813 | 4 | 13,948 |
| 34 | 3 | 6,932 | 9 | 23,084 |
| 35 | 1 | 1,156 | 3 | 6,804 |
| 36 | 4 | 13,220 | 2 | 6,050 |
| 37 | 8 | 17,683 | 3 | 14,398 |
| 38 | 6 | 15,676 | 5 | 12,441 |
| 39 | 2 | 2,342 | 5 | 4,329 |
| 40 | 4 | 7,262 | 7 | 13,569 |
| 41 | 2 | 1,710 | 1 | 3,761 |
| 42 | 5 | 11,669 | 3 | 39,867 |
| 43 | 6 | 16,314 | 9 | 24,147 |
| 44 | 2 | 2,320 | 6 | 7,344 |
| 45 | 4 | 7,007 | 9 | 23,956 |
| 46 | 3 | 6,117 | 6 | 10,560 |
| 47 | 4 | 20,158 | 8 | 26,810 |
| 48 | 3 | 18,203 | 9 | 40,543 |
| 49 | 8 | 27,393 | 13 | 49,051 |
| 50 | 11 | 88,821 | 13 | 53,347 |
| 51 | 13 | 90,318 | 12 | 61,863 |
| 52 | 19 | 121,440 | 21 | 80,056 |
| 53 | 21 | 238,484 | 43 | 264,714 |
| 54 | 32 | 344,080 | 54 | 377,357 |

TABLE 3

THE DISTRIBUTION OF THE NUMBER AND ANNUAL
RETIREMENT ALLOWANCES OF RETIRED MEMBERS
AND BENEFICIARIES BY AGE AS OF JUNE 30, 1985

SERVICE RETIREMENTS AND BENEFICIARIES

CONTINUED

| AGE | MEN | | WOMEN | |
|-----|--------|-----------|--------|-----------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 55 | 38 \$ | 425,369 | 94 \$ | 762,951 |
| 56 | 63 | 833,240 | 120 | 1,064,055 |
| 57 | 54 | 612,772 | 126 | 1,057,635 |
| 58 | 74 | 900,933 | 174 | 1,592,636 |
| 59 | 90 | 1,112,260 | 182 | 1,632,169 |
| 60 | 126 | 1,449,876 | 230 | 1,844,908 |
| 61 | 156 | 1,710,878 | 367 | 2,456,181 |
| 62 | 206 | 1,654,337 | 462 | 2,533,065 |
| 63 | 336 | 2,048,818 | 677 | 3,278,482 |
| 64 | 469 | 2,893,044 | 759 | 3,320,682 |
| 65 | 475 | 2,655,672 | 853 | 3,658,842 |
| 66 | 484 | 2,744,891 | 866 | 3,941,304 |
| 67 | 572 | 2,908,947 | 839 | 3,461,374 |
| 68 | 516 | 2,601,114 | 880 | 3,547,225 |
| 69 | 557 | 2,709,384 | 915 | 3,487,395 |
| 70 | 497 | 2,382,331 | 832 | 3,379,711 |
| 71 | 467 | 1,987,333 | 828 | 3,281,149 |
| 72 | 454 | 2,050,477 | 787 | 2,969,273 |
| 73 | 422 | 1,767,174 | 844 | 3,140,536 |
| 74 | 405 | 1,673,260 | 774 | 2,962,808 |
| 75 | 381 | 1,572,145 | 763 | 2,817,413 |
| 76 | 328 | 1,397,209 | 720 | 2,921,385 |
| 77 | 267 | 1,255,455 | 714 | 2,754,262 |
| 78 | 224 | 875,202 | 665 | 2,791,844 |
| 79 | 203 | 912,835 | 562 | 2,188,723 |
| 80 | 190 | 822,112 | 547 | 2,129,212 |
| 81 | 162 | 676,430 | 499 | 2,007,453 |
| 82 | 118 | 467,062 | 399 | 1,564,494 |
| 83 | 120 | 412,473 | 348 | 1,191,312 |
| 84 | 71 | 390,828 | 309 | 1,131,307 |
| 85 | 70 | 315,539 | 248 | 862,506 |
| 86 | 41 | 164,683 | 196 | 671,704 |
| 87 | 38 | 205,614 | 162 | 592,710 |
| 88 | 32 | 124,131 | 123 | 433,066 |
| 89 | 26 | 108,304 | 113 | 404,674 |

TABLE 3

**THE DISTRIBUTION OF THE NUMBER AND ANNUAL
RETIREMENT ALLOWANCES OF RETIRED MEMBERS
AND BENEFICIARIES BY AGE AS OF JUNE 30, 1985**

SERVICE RETIREMENTS AND BENEFICIARIES

CONTINUED

| AGE | MEN | | WOMEN | |
|--------------|-----------------|-------------------|------------------|-------------------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 90 | 28 \$ | 101,307 | 111 \$ | 368,831 |
| 91 | 8 | 36,252 | 75 | 266,024 |
| 92 | 14 | 49,323 | 64 | 220,548 |
| 93 | 13 | 47,793 | 46 | 171,460 |
| 94 | 3 | 15,567 | 35 | 162,474 |
| 95 | 6 | 30,772 | 31 | 130,928 |
| 96 | 5 | 20,957 | 19 | 68,772 |
| 97 | | | 7 | 25,511 |
| 98 | 3 | 3,934 | 7 | 25,825 |
| 99 | | | 5 | 21,674 |
| 100 | 1 | 3,577 | | |
| 101 | | | 2 | 8,262 |
| 103 | | | 2 | 10,665 |
| 104 | | | 2 | 10,391 |
| TOTAL | 9,007 \$ | 48,287,107 | 18,664 \$ | 80,585,118 |

SUMMARY

| | | | | |
|------------------|----------|------------|-----------|------------|
| LIFE | | | | |
| ANNUITY | 3,888 \$ | 15,483,526 | 12,595 \$ | 50,762,069 |
| CASH | | | | |
| REFUND | 1,096 | 5,670,797 | 1,674 | 7,763,594 |
| 100% J+S | 1,343 | 6,413,045 | 456 | 1,403,379 |
| 50% J+S | 1,258 | 9,301,868 | 443 | 2,242,814 |
| SOC. SEC. | | | | |
| LEVELING | 650 | 6,948,431 | 1,380 | 11,239,795 |
| BENEFIC | | | | |
| IARIES | 290 | 854,369 | 1,923 | 5,990,863 |
| 100% | | | | |
| POP-UP | 250 | 1,563,376 | 90 | 479,534 |
| 50% | | | | |
| POP-UP | 232 | 2,051,695 | 103 | 703,070 |

TABLE 4

THE DISTRIBUTION OF THE NUMBER AND ANNUAL
RETIREMENT ALLOWANCES OF RETIRED MEMBERS BY
AGE AS IF JUNE 30, 1985

DISABILITY RETIREMENTS

| AGE | MEN | | WOMEN | |
|-----|--------|---------|--------|---------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 27 | | | 1 \$ | 1,512 |
| 28 | 1 \$ | 1,518 | | |
| 29 | 1 | 1,594 | 2 | 3,900 |
| 30 | | | 2 | 8,928 |
| 31 | 5 | 11,658 | 4 | 9,664 |
| 32 | 2 | 5,830 | 1 | 2,132 |
| 33 | 1 | 1,329 | 3 | 11,889 |
| 34 | 3 | 6,856 | 3 | 6,543 |
| 35 | 4 | 7,779 | 5 | 13,955 |
| 36 | 3 | 8,285 | 4 | 7,392 |
| 37 | 4 | 11,280 | 12 | 41,783 |
| 38 | 4 | 15,523 | 8 | 23,449 |
| 39 | 8 | 20,057 | 6 | 17,406 |
| 40 | 8 | 29,000 | 8 | 29,895 |
| 41 | 13 | 40,885 | 10 | 41,783 |
| 42 | 6 | 31,319 | 15 | 50,267 |
| 43 | 6 | 36,066 | 16 | 57,296 |
| 44 | 13 | 46,252 | 12 | 51,572 |
| 45 | 13 | 45,390 | 11 | 40,073 |
| 46 | 9 | 40,207 | 11 | 43,408 |
| 47 | 19 | 66,004 | 15 | 33,390 |
| 48 | 16 | 82,308 | 15 | 43,758 |
| 49 | 18 | 86,161 | 14 | 55,945 |
| 50 | 29 | 122,012 | 20 | 63,442 |
| 51 | 21 | 100,933 | 19 | 89,314 |
| 52 | 27 | 139,600 | 33 | 135,179 |
| 53 | 36 | 143,982 | 37 | 181,083 |
| 54 | 45 | 220,204 | 30 | 141,456 |
| 55 | 43 | 211,582 | 42 | 214,868 |
| 56 | 58 | 286,013 | 42 | 181,839 |
| 57 | 62 | 309,065 | 60 | 259,482 |
| 58 | 52 | 246,342 | 68 | 310,447 |
| 59 | 58 | 256,067 | 77 | 337,142 |
| 60 | 76 | 377,953 | 83 | 348,968 |
| 61 | 68 | 328,034 | 74 | 336,738 |
| 62 | 84 | 381,098 | 93 | 390,234 |
| 63 | 91 | 325,055 | 104 | 402,308 |
| 64 | 119 | 538,055 | 116 | 488,259 |
| 65 | 84 | 359,611 | 93 | 424,587 |
| 66 | 100 | 365,176 | 107 | 387,707 |

TABLE 4

THE DISTRIBUTION OF THE NUMBER AND ANNUAL
RETIREMENT ALLOWANCES OF RETIRED MEMBERS BY
AGE AS OF JUNE 30, 1985

DISABILITY RETIREMENTS

CONTINUED

| AGE | MEN | | WOMEN | |
|-------|--------|--------------|--------|--------------|
| | NUMBER | AMOUNT | NUMBER | AMOUNT |
| 67 | 87 | \$ 307,410 | 103 | \$ 351,734 |
| 68 | 70 | 267,698 | 84 | 343,819 |
| 69 | 74 | 271,258 | 76 | 263,056 |
| 70 | 48 | 170,400 | 60 | 241,416 |
| 71 | 42 | 132,225 | 56 | 197,316 |
| 72 | 44 | 164,992 | 41 | 141,214 |
| 73 | 5 | 9,869 | 9 | 37,284 |
| 74 | 2 | 7,784 | 4 | 17,544 |
| 75 | | | 2 | 7,047 |
| 76 | 2 | 8,030 | | |
| 77 | 1 | 1,938 | 2 | 7,294 |
| 78 | | | 1 | 3,893 |
| 80 | | | 1 | 3,790 |
| 82 | | | 1 | 3,965 |
| 83 | | | 1 | 3,685 |
| 84 | 1 | 2,959 | | |
| 85 | | | 1 | 3,870 |
| 87 | 1 | 5,203 | | |
| 94 | 1 | 11,220 | | |
| TOTAL | 1,588 | \$ 6,667,069 | 1,718 | \$ 6,915,920 |

SUMMARY

| | | | | |
|--------------------|-----|--------------|-------|--------------|
| LIFE ANNUITY | 826 | \$ 3,547,539 | 1,391 | \$ 5,685,163 |
| CASH REFUND | 186 | 823,197 | 147 | 632,547 |
| 100% J+S | 294 | 900,760 | 114 | 326,498 |
| 50% J+S | 203 | 1,013,403 | 50 | 196,842 |
| SOC. SEC. LEVELING | | | 1 | 6,227 |
| 100% POP-UP | 37 | 136,988 | 7 | 26,726 |
| 50% POP-UP | 42 | 245,182 | 8 | 41,917 |