# THE STATE TEACHERS RETIREMENT SYSTEM OF OHIO

ACTUARIAL VALUATION JULY 1, 2000



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November 7, 2000

The Retirement Board State Teachers Retirement System of Ohio 275 East Broad Street Columbus, Ohio 43215

Ladies and Gentlemen:

This report presents the results of the annual actuarial valuation of the assets and liabilities of the State Teachers Retirement System of Ohio (STRS Ohio) as of July 1, 2000, prepared in accordance with Section 3307.20 of Chapter 3307 of the Ohio Revised Code. The valuation takes into account all of the promised benefits to which members are entitled, including pension and survivor benefits.

The valuation was based on the actuarial assumptions and methods as adopted by the Board of Trustees, including a valuation interest rate of  $7\frac{3}{4}\%$  per annum compounded annually. The interest rate assumption has changed from the prior valuation interest rate of  $7\frac{1}{2}\%$  per annum compounded annually. The other assumptions and methods are unchanged from the prior valuation.

The actuarial assumptions and methods comply with the parameters set forth in Governmental Accounting Standards No. 25.

#### **Assets and Membership Data**

The individual data for members of the System as of the valuation date were reported to the actuary by STRS Ohio. While we did not verify the data at their source, we did perform tests for internal consistency and reasonableness. The amount of assets in the trust fund taken into account in the valuation was based on statements prepared for us by STRS Ohio.

#### **Funding Adequacy**

Historically, of the total contribution rate of 23.3% from employers and members, 2% was allocated to the health care fund with 21.3% remaining for pension and survivor benefits. For fiscal 1998 through 2000, additional employer contributions were allocated toward health care. The health care contribution for fiscal 1998 was 3.5%. The health care contributions for fiscal 1999 and fiscal 2000 were 8%. For fiscal 2001 and after, the Board has permanently increased the allocation toward health care to 4.5%, leaving 18.8% for pension and survivor benefits. The valuation indicates that a contribution rate of 18.8% is sufficient to provide for the payment of the promised pension and survivor benefits, with a 23.1 year funding period to amortize the unfunded accrued liability. The funding period was increased 6.8 years from last year's funding period (i.e., increased from 16.3 years to 23.1 years). The funding period

The Retirement Board State Teachers Retirement System of Ohio November 7, 2000 Page 2

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increased because the increased contribution allocation toward health care resulted in a decrease in the contribution allocation toward the unfunded accrued liability.

The valuation indicates that for the fiscal year ending June 30, 2000, the actuarial experience of STRS Ohio was favorable and generated net actuarial gains of \$2,108 million. The benefit improvements and interest rate change reduced the gain by \$935 million. The Board elected to use \$50.8 million of the actuarial gain to fund the supplemental benefit payments to retirees to be made during December 2000. The Board elected to use the remainder of the gain to reduce the unfunded accrued liability.

#### **Financial Results and Membership Data**

Detailed summaries of the financial results of the valuation and membership data used in preparing the valuation are shown in the valuation report. Supporting schedules included in the Actuarial and Statistical Section of STRS Comprehensive Annual Financial Report were prepared by the actuary. The trend data schedules included in the Financial Section of STRS Comprehensive Annual Financial Report were prepared by the actuary.

The valuations were completed by qualified actuaries in accordance with accepted actuarial procedures as prescribed by the Actuarial Standards Board. The qualified actuaries are members of the American Academy of Actuaries and are experienced in performing actuarial valuations of public employee retirement systems. To the best of our knowledge, this report is complete and accurate and has been prepared in accordance with generally accepted actuarial principles and practice.

Respectfully submitted,

Kimth hectolf

Kim M. Nicholl, F.S.A. Consulting Actuary

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### THE STATE TEACHERS RETIREMENT SYSTEM OF OHIO

# ACTUARIAL VALUATION JULY 1, 2000

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#### Introduction

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This report presents the results of the actuarial valuation as of July 1, 2000 for the State Teachers Retirement System of Ohio.

The principal valuation results include:

- The unfunded accrued liability funding period, which is 23.1 years.
- The funded status of the plan determined as of July 1, 2000 based on the accrued liability and the market-related value of assets as of that date, which is 92.4%.
- The determination of the gain or loss as of July 1, 2000, which is a gain of \$2.1 billion.
- Annual disclosure as of July 1, 2000 as required by Statement No. 25 of the Governmental Accounting Standards Board.

The valuation was completed based upon membership and financial data submitted by the Retirement System.

#### **Changes Since Last Year**

#### Legislative and Administrative Changes

There was one legislative change that affects the funding of the System.

#### Benefit Improvement for Current Benefit Recipients and Active Members

Senate Bill 190 amended the Code to provide for an increase in retirement benefits for both current benefit recipients and active members.

For active members, the new law increases the current 2.1% formula to 2.2% of final average salary for those members with less than 35 years of service, and to 2.5% of final average salary for those members with 35 or more years of service.



For current benefit recipients, the law updates their original benefit to the 2.1% of final average salary formula and provides a one-time increase to restore 85% of their original benefit's purchasing power.

These changes increased the accrued liability of the System by approximately \$2.3 billion.

A summary of the benefits and contribution provisions reflected in the valuation is outlined in Table 11.

#### Actuarial Assumptions and Methods

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The interest rate was changed from 7.5% to 7.75%. All other actuarial assumptions and methods are unchanged from last year. The change in the interest rate decreased the accrued liability of the System by \$1.4 billion.

The assumptions and methods are outlined in Table 10.

#### Health Care Contribution Rate

Historically, of the total employer contribution rate of 14%, the Board has allocated 2% for health care and 12% for pension and survivor benefits. For fiscal years 1998 through 1999, additional employer contributions were allocated toward health care. The health care contributions were  $3\frac{1}{2}\%$  for fiscal 1998 and 8% for fiscal 1999 and fiscal 2000. Effective for fiscal 2001 and thereafter, the Board has made a permanent change in the allocation of the employer contribution rate. Of the total employer contribution rate of 14%, the Board has allocated  $4\frac{1}{2}\%$  to health care and  $9\frac{1}{2}\%$  to pension and survivor benefits.



# **Summary of Principal Results**

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Summarized below are the principal financial results for the State Teachers Retirement System of Ohio based upon the actuarial valuation as of July 1, 2000. Comparable results from the July 1, 1999 valuation are also shown.

Item	July 1, 2000	July 1, 1999
Membership Data		
Active Members > Number > Annualized Salaries > Average Pay > Membership Payroll	174,072 \$ 7,386.1 Mil \$ 42,431 \$ 7,845.0 Mil	170,854 \$ 7,040.9 Mil \$ 41,210 \$ 7,444.2 Mil
<ul> <li>Retirees and Beneficiaries</li> <li>Number</li> <li>Annual Allowances</li> <li>Average Benefit Payment</li> </ul> Contribution Rates (as a Percentage of Payroll)	99,011 \$ 2,391.7 Mil \$ 24,156	95,796 \$ 2,103.1 Mil \$ 21,954
<ul> <li>Employer Contribution Rate:</li> <li>Total Pension Contribution Rate</li> <li>— Normal Rate</li> <li>— Accrued Liability Rate</li> <li>&gt; Health Care Contribution Rate</li> </ul>	6.02% 3.48 <u>4.50</u>	6.05%* 5.95 *
> Total Member Contribution Rate	14.00%	14.00%
> Total	<u>9.30</u> 23.30%	<u>9.30</u> 23.30%
Actuarial Funded Status		
<ul> <li>Accrued Liability</li> <li>Valuation Assets</li> <li>Unfunded Accrued Liability</li> <li>Funded Ratio</li> <li>Funding Period</li> </ul>	\$ 59,193.1 Mil (54,712.9) \$ 4,480.2 92.4% 23.1 years	\$ 54,763.3 Mil <u>(49,124.8)</u> \$ 5,638.5 89.7% 16.3 years

\*For fiscal 2000, 8% is allocated to health care and .05% is allocated to the normal pension rate.

#### **Five-Year History of Principal Financial Results**

#### Net Gain (Loss)

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The results of the valuation as of July 1, 2000 determine the net gain or loss for the year ended June 30, 2000. The net gain is \$2,108 million. The benefit improvements and interest rate change reduced the gain by \$935 million. The Board elected to use \$50.8 million to fund the supplemental benefit payments to retirees to be made during December, 2000. The remainder was used to reduce the unfunded accrued liability.

The analysis of the net gain for fiscal year ended June 30, 2000 is shown in Table 5. The following table shows a five-year history of the net gains or losses.

Net Gain or (Loss)	
\$ 2,108	
2,221	
1,705	
1,111	
516	

#### Five-Year History of Gains or (Losses) (\$ result reported in millions)



# **Funding Period**

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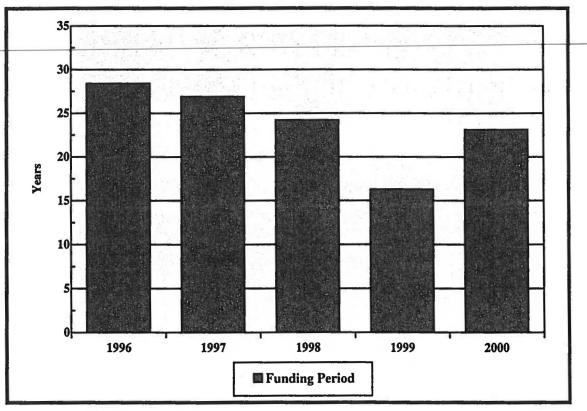
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The funding period is the number of years required to liquidate the unfunded accrued liability. The following table shows a five-year history of the funding period along with the member and employer contribution rates:

Fiscal Year	Funding	Contribution Rate	
Ended June 30	Period	Member Employer	
2000	23.1 years	9.30%	14.00%
1999	16.3	9.30	14.00
1998	24.2	9.30	14.00
1997	26.9	9.30	14.00
1996	28.4	9.30	14.00

#### **Five-Year History of Funding Period**



#### **Funded Ratio**

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The System's funded status is measured by comparing the valuation assets with the accrued liability. The accrued liability is the present value of benefits accumulated to date under the System's funding method and reflects future pay increases for active employees.

On this basis, the System's funded ratio is 92.4% as of July 1, 2000. The funded ratio is based on a market-related value of assets of \$54.7 billion and an accrued liability of \$59.2 billion.

#### **Reasons for Change in the Funded Ratio**

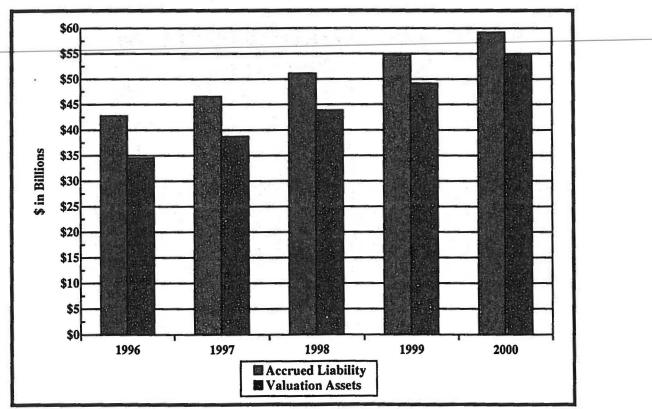
The funded ratio increased from 89.7% as of July 1, 1999 to 92.4% as of July 1, 2000. The increase is due to the net effect of the benefit changes, interest rate change and experience gains and losses.



Funded Ratio (\$ results reported in millions)						
ValuationAccruedValuationUnfundedas of July 1LiabilityAssetsLiabilityRatio						
2000	\$ 59,193.1	\$ 54,712.9	\$ 4,480.2	92.4%		
1999	54,763.3	49,124.8	5,638.5	89.7		
1998	51,128.1	43,865.9	7,262.2	85.8		
1997	46,563.8	38,743.3	7,820.5	83.2		
1996	42,766.9	34,569.6	8,197.3	80.8		

# **Five-Year History of**

The following chart shows a five-year history of the accrued liability and the valuation assets:



#### Five-Year History of Accrued Liability and Valuation Assets

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The following chart shows a 10-year history of the funded ratio:

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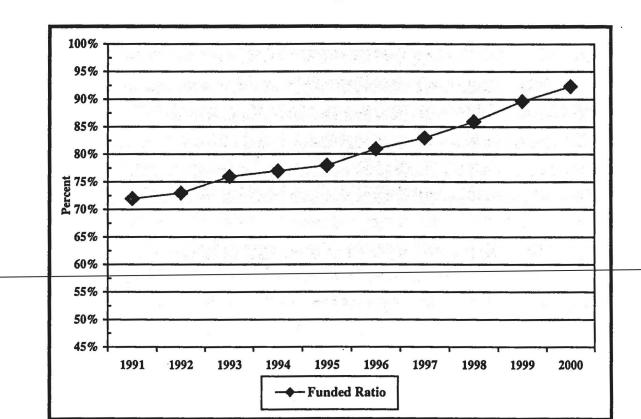
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# Ten-Year History of Funded Ratio (1991- 2000)



#### **GASB No. 25 Disclosure**

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Statement Number 25 of the Governmental Accounting Standards Board established reporting standards for the annual financial reports of defined benefit pension plans. The statement requires disclosure of the "schedule of funding progress" and the "schedule of employer contributions" in the System's financial statements.

The "schedule of funding progress" shows historical trend information about the System's actuarial value of assets, the actuarial accrued liability and the unfunded actuarial accrued liability. The actuarial funded status is measured by comparing the actuarial value of assets (based on a 4-year moving market average value) with the accrued liability. For purposes of GASB Statement No. 25, the actuarial assets and accrued liability exclude assets in the Health Care Premium Stabilization Fund. The accrued liability is the present value of benefits accumulated to date under the System's funding method and reflects future pay increases for active employees. On this basis, the System's funded ratio is 92.0% as of July 1, 2000. The funded ratio is based on an actuarial value of assets of \$51.3 billion and an accrued liability of \$55.8 billion. Table 7 shows the schedule of funding progress information.

The "schedule of employer contributions" shows historical trend information about the annual required contributions (ARC) of the employer and the percentage of the ARC contributed to the System. The ARC is equal to the normal cost plus amortization of the unfunded actuarial accrued liability. The maximum period for amortizing the unfunded actuarial accrued liability permitted by GASB No. 25 is 40 years. The maximum amortization period decreases to 30 years in 2006. Of the total employer contribution rate of 14% of payroll, 4.5% is allocated to health care, leaving 9.5% allocated to pension and survivor benefits provided by the System. The employer contributions to the System are equal to 100% of the ARC. Table 8 shows the schedule of employer contributions.

THE STATE TEACHERS RETIREMENT SYSTEM OF OHIO



# **Rate of Return**

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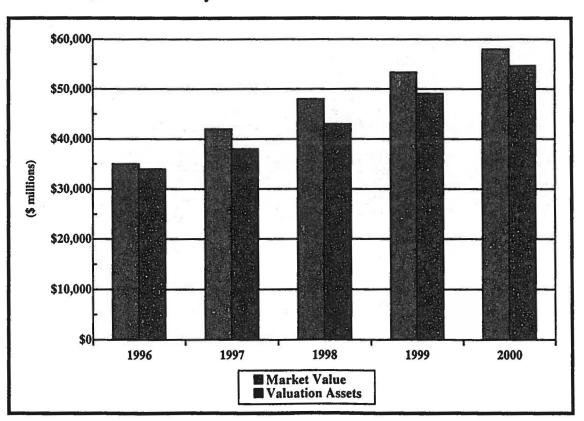
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The investment return of the trust fund on a market value basis (i.e., total return including both realized and unrealized gains and losses) for fiscal years ended June 30, 1996 through 2000 is shown below. The return based on the valuation assets used for determining the System's funded status is also shown.

Fiscal Year	Rate of Return Based On		
Ended June 30	Market Value	Valuation Assets	
2000	10.3%	13.1%	
1999	12.5	13.4	
1998	14.2	14.3	
1997	16.8	12.7	
1996	12.3	10.1	



Five-Year History of Market Value and Valuation Assets

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The remainder of the report comprises the following sections or schedules:

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Table 1		Summary of Results of Actuarial Valuation as of July 1, 2000
Table 2		Summary of Market Value of Plan Assets as of June 30, 2000
Table 3		Derivation of Market-Related Value of Assets as of June 30, 2000
Table 4	_	Health Care Premium Stabilization Fund as of June 30, 2000
Table 5		Analysis of Gain as of July 1, 2000
Table 6	_	Impact of Benefit and Interest Rate Changes on Unfunded Accrued Liability and Normal Contribution Rate as of July 1, 2000
Table 7	_	Schedule of Funding Progress - GASB Statement No. 25 Disclosure
Table 8	_	Schedule of Employer Contributions - GASB Statement No. 25 Disclosure
Table 9	—	Solvency Test - Comparative Summary of Accrued Liability and Valuation Assets
Table 10		Description of Actuarial Assumptions and Methods
Table 11		Summary of Benefit and Contribution Provisions
Table 11 Table 12	_	Summary of Benefit and Contribution Provisions Summary of Membership Data as of July 1, 2000
		-
Table 12	_	Summary of Membership Data as of July 1, 2000 Active Membership Data as of July 1, 2000 - Number and Average
Table 12 Exhibit I		Summary of Membership Data as of July 1, 2000 Active Membership Data as of July 1, 2000 - Number and Average Annual Salary Retiree and Beneficiary Membership Data as of July 1, 2000 -
Table 12 Exhibit I Exhibit II		Summary of Membership Data as of July 1, 2000 Active Membership Data as of July 1, 2000 - Number and Average Annual Salary Retiree and Beneficiary Membership Data as of July 1, 2000 - Number and Annual Retirement Allowances Retiree and Beneficiary Membership Data as of July 1, 2000 -



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#### TABLE 1

#### SUMMARY OF RESULTS OF ACTUARIAL VALUATION AS OF JULY 1, 2000 (\$ amounts in thousands)

Item July 1, 2000 **Membership Data** 1. Number of Members a) Active Members 174,072 b) Reemployed Retirees 13,081 c) Inactive Members (i) Eligible for Allowances 17,428 (ii) Eligible for Refunds Only 102,935 d) Retirees and Beneficiaries 99,011 e) Total 406,527 2. Annualized Salaries \$ 7,386,122 3. Membership Payroll a) STRS Ohio Members S 7,695,645 b) Alternative Retirement Plan Members 149,376 c) Total S 7,845,021 4. Annual Allowances S 2,391,680 Valuation Results 5. Accrued Liability a) Active Members \$ 27,066,826 b) Reemployed Retirees 72,500 c) Inactive Members 1,030,290 d) Retirees and Beneficiaries (i) Annuity and Pension Reserve Fund 26,941,412 (ii) Survivors' Benefit Fund 663,024 (iii) Subtotal S 27,604,436 e) Total S 55,774,052 6. Health Care Premium Stabilization Fund \$ 3,419,106 7. Total Liability S 59,193,158

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## TABLE 1

# SUMMARY OF RESULTS OF ACTUARIAL VALUATION AS OF JULY 1, 2000

(\$ amounts in thousands)

(Continued)

Item	July 1, 2000
<ul> <li>8. Assets</li> <li>a) Market-Related Value of Assets</li> <li>b) Present Value of Future State Appropriations</li> </ul>	\$ 54,704,395
<ul> <li>for House Bills 204 and 284</li> <li>i) Annuity and Pension Reserve Fund</li> <li>ii) Survivors' Benefit Fund</li> <li>c) Receivable from Employers for ERI Benefits</li> <li>d) Total</li> </ul>	5,854 368 <u>2,304</u> \$ 54,712,921
<ul><li>9. Unfunded Accrued Liability</li><li>(7) - (8)</li></ul>	\$ 4,480,237
10. Funding Period	23.1 Years
11. Funded Status	92.4%
12. Normal Contribution Rate	15.32%
13. Member Contribution Rate	9.30%
Allocation of Employer Contribution Rate	
<ul><li>14. Employer Contribution Rate</li><li>a) Normal Contribution</li></ul>	6.02%
b) Unfunded Liability	3.48
<ul><li>c) Total Pension Rate</li><li>d) Health Care</li><li>e) Total</li></ul>	9.50% <u>4.50</u> 14.00%

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#### TABLE 2

#### SUMMARY OF MARKET VALUE OF PLAN ASSETS AS OF JUNE 30, 2000 (\$ amounts in thousands)

Item	Pension	Health Care	Total
1. Market Value of Assets as of June 30, 1999	\$ 50,578,191	\$ 2,783,365	\$ 53,361,556
2. Contributions During Year	1,275,809	676,027	1,951,836
3. Disbursements During Year	2,396,732	343,512	2,740,244
<ul> <li>4. Investment Return During Year</li> <li>(a) Gross Investment Return</li> <li>(b) Expenses</li> <li>(c) Net Investment Return (a) - (b)</li> </ul>	\$ 5,216,572 73,478 5,143,094	\$ 307,617 <u>4,390</u> 303,227	5,524,189 <u>77,868</u> \$ 5,446,321
<ol> <li>Market Value of Assets as of June 30, 2000         <ol> <li>(1) + (2) - (3) + (4)</li> </ol> </li> </ol>	\$ 54,600,362	\$ 3,419,107	\$ 58,019,469
6. Rate of Return			10.28%

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# TABLE 3

# DERIVATION OF MARKET-RELATED VALUE OF ASSETS AS OF JUNE 30, 2000

(\$ amounts in thousands)

1. Market Value of Pension Assets as of June 30, 2000	\$ 54,600,362
2. Determination of Deferred Gain (Loss)	
Investment Income	Deferred
Year Actual Expected Difference % Deferred	Amount
2000\$ 5,143,094\$ 3,431,776\$ 1,711,31875%19995,664,4013,092,5702,571,8315019985,730,4212,747,7422,982,6792519975,823,8342,461,8063,362,0280	\$ 1,283,489 1,285,915 745,670 0
	\$ 3,315,074
<ol> <li>Market-Related Value of Pension Assets as of June 30, 2000</li> <li>(1) - (2)</li> </ol>	51,285,288
4. Health Care Premium Stabilization Fund	3,419,107
<ul> <li>5. Total Market-Related Value of Assets as of June 30, 2000</li> <li>(3) + (4)</li> </ul>	\$ 54,704,395
6. Rate of Return	13.12%

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# TABLE 4

# HEALTH CARE PREMIUM STABILIZATION FUND AS OF JUNE 30, 2000

(\$ amounts in thousands)

1. Balance as of June 30, 1999	\$ 2,783,365	
2. Contributions During Year		
<ul><li>(a) Employer</li><li>(b) Member Premiums</li><li>(c) Total</li></ul>	\$ 615,652 <u>60,375</u> 676,027	
3. Outgo During Year	\$ 343,512	
4. Investment Income	\$ 303,227	
<ul> <li>5. Balance as of June 30, 2000</li> <li>(1) + (2) - (3) + (4)</li> </ul>	\$ 3,419,107	÷
6. Rate of Return	10.28%	

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# TABLE 5

## ANALYSIS OF GAIN AS OF JULY 1, 2000 (\$ amounts in thousands)

	1	r -
1. Expected Unfunded Accrued Liability at July 1, 2000	\$ 5,601,713	
2. Unfunded Accrued Liability at July 1, 2000	4,480,237	
3. Increase Due to Retiree Supplemental Benefit	50,800	
4. Increase Due to Benefit Improvements	2,327,418	
5. Decrease Due to Interest Rate Change	(1,392,084)	
6. Net Gain $(1) - (2) + (3) + (4) + (5)$	2,107,610	
<ol> <li>Portion of Gain Used for Benefits and Assumption Changes</li> <li>(3) + (4) + (5)</li> </ol>	986,134	
<ol> <li>8. Net Gain Remaining to Reduce the Unfunded Accrued Liability</li> <li>(6) (7)</li> </ol>	1,121,476	
9. Analysis of Total Gain		
a) Investment Return Gain on Valuation Assets	2,656,964	
<ul> <li>b) Experience Gains and (Losses)</li> <li>(i) Gain from Payroll Growth More than Expected</li> <li>(ii) Loss from Salary Increases Greater than Expected</li> <li>(iii) Loss from Retirement and Other Separation Experience</li> <li>(iv) Loss from Retirees' Mortality Experience</li> <li>(v) Total</li> </ul>	138,966 (472,983) (64,386) <u>(150,951)</u> (549,354)	
<ul> <li>c) Total Net Gain as of July 1, 2000</li> <li>(a) + (b)</li> </ul>	\$ 2,107,610	

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## TABLE 6

### IMPACT OF BENEFIT AND INTEREST RATE CHANGES ON UNFUNDED ACCRUED LIABILITY AND NORMAL CONTRIBUTION RATE AS OF JULY 1, 2000

Unfu	nded Accrued Liability	
1.	Unfunded Accrued Liability before Benefit and Interest Rate Changes	\$ 3,494,103
2.	Increase due to Retirement Benefit Improvements	2,327,418
3.	Decrease due to Interest Rate Change	(1,392,084)
4.	Retiree Supplemental Benefit Payment	50,800
5.	Unfunded Accrued Liability as of July 1, 2000 after Changes $(1) + (2) + (3) + (4)$	\$ 4,480,237
Norn	nal Contribution Rate	
1.	Normal Contribution Rate Before Assumption Changes	15.36%
2.	Increase due to Retirement Benefit Improvements	.64
3.	Decrease due to Interest Rate Change	(.68)
4.	Normal Contribution Rate after Assumption Changes $(1) + (2) + (3)$	15.32%

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## TABLE 7

## SCHEDULE OF FUNDING PROGRESS GASB STATEMENT NO. 25 DISCLOSURE (\$ amounts in thousands)

Valuation as of July 1	Actuarial Value of Assets	Actuarial Accrued Liability	Unfunded Actuarial Accrued Liability	Funded Ratio	Covered Payroll	Unfunded Accrued Liability as a Percentage of Covered Payroll
2000	\$ 51,293,815	\$ 55,774,052	\$ 4,480,237	92.0%	\$ 7,845,021	57%
1999	46,341,436	51,979,974	5,638,538	89.2	7,444,243	76
1998	41,709,903	48,972,084	7,262,181	85.2	7,112,124	102
1997	36,883,739	44,704,237	7,820,498	82.5	6,805,797	115
1996	32,930,801	41,128,062	8,197,261	80.1	6,553,642	125
1995	29,913,449	38,483,947	8,570,498	77.7	6,327,049	135

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#### SCHEDULE OF EMPLOYER CONTRIBUTIONS GASB STATEMENT NO. 25 DISCLOSURE (\$ amounts in thousands)

Fiscal Year Ended June 30	Annual Required Contribution	Percentage Contributed
2000	\$ 470,343	100%
1999	446,655	100
1998	746,773	100
1997	816,696	100
1996	786,437	100
1995	759,246	100

The information presented above was determined as part of the actuarial valuation as of one year prior to the dates indicated (i.e., the contribution determined by the valuation completed as of July 1, 1999 was contributed in a fiscal year ending June 30, 2000).

Additional information as of the latest actuarial valuation follows:

Actuari Amorti Remain	ion Date: ial Cost Method: zation Method: ning Amortization Period: Valuation Method:	July 1, 2000 Entry Age Level percent closed 23.1 years 4-year smoothed market with 91%/109% corridor
Actuari	ial Assumptions:	
•	Investment Rate of Return	7.75%
•	Projected Salary Increases	9.25% at age 20 to 3.25% at age 65
•	Inflation Assumption	3.50%
•	Cost of Living Adjustments	3% simple

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# SOLVENCY TEST COMPARATIVE SUMMARY OF ACCRUED LIABILITY AND VALUATION ASSETS

		Accrued Liability for					of Accrued by Valuation	
	(1)	(2)	(3)			(1)	(2)	(3)
Valuation as of July 1	Active Member Contributions	Retirees and Beneficiaries	Active Member (Employer Financed Portion		Valuation Assets			
2000	\$ 7,174,675,224	\$ 27,604,435,981	\$ 24,414,047,1	13	\$ 54,712,921,301	100%	100%	82%
1999	6,867,909,608	25,152,625,626	22,742,804,3	51	49,124,802,048	100	100	75
1998	6,569,782,737	22,994,697,096	21,563,607,9	800	43,865,906,709	100	100	66
1997	6,222,724,726	20,249,628,154	20,091,417,6	550	38,743,272,256	100	100	61
1996	5,862,249,508	18,420,595,406	18,484,066,6	533	34,569,651,381	100	100	56
						5		
1995	5,533,683,844	16,745,089,502	17,708,401,2	.40	31,416,676,685	100	100	52
1994	5,158,560,944	14,025,124,404	17,688,123,6	67	28,543,410,432	100	100	53
1993	4,798,350,225	12,869,722,653	16,820,903,5	27	26,259,447,414	100	100	51
1992	4,434,875,773	11,506,994,329	14,858,367,8	50	22,536,343,069	100	100	44
1991	4,076,989,530	10,440,583,940	13,591,786,8	86	20,094,848,781	100	100	41

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#### DESCRIPTION OF ACTUARIAL ASSUMPTIONS AND METHODS

#### ASSUMPTIONS

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INTEREST RATE: 73/4% per annum, compounded annually.

SEPARATION FROM ACTIVE SERVICE: Illustrative rates of assumed separation from service are as follows:

	Annual Rate of:					
		Vesti	Vesting & Early Retirement			
		30 Years	25-29 Years	Under 25 Years		
Age	Termination	Service	Service	Service	Death	Disability
			MALES			
20	9.00%				.03%	
30	4.00				.05	.04%
40	1.75	28.00%			.08	.18
50	.85	28.00			.23	.49
55	.85	31.00	6.00%		.39	.62
60	.85	36.00	6.00	13.00%	.61	
65	.85	52.00	18.00	22.00	.94	
70		42.00	25.00	20.00	1.68	
			FEMALES			
20	4.50%				.02%	
30	4.80				.03	.05%
40	1.65	27.00%			.05	.18
50	1.25	27.00			.12	.36
55	1.25	29.00	10.00%		.19	.58
60	1.25	40.00	16.00	22.00%	.32	
65	1.25	49.00	31.00	21.00	.53	
70		50.00	35.00	20.00	.90	



#### DESCRIPTION OF ACTUARIAL ASSUMPTIONS AND METHODS (Continued)

SALARY INCREASE: Effective average of 5% per annum, compounded annually. Representative values are as follows:

Age	Annual Rate of Salary Increase
20	9.25%
30	7.25
40	5.25
50	4.05
55	3.75
60	3.50
65	3.25
70	3.25

DEATH AFTER RETIREMENT: According to the 1983 Group Annuity Mortality Table (Projection 1994 - Scale H) with one-year setback in age for males and one-year set forward in age for females. Special mortality tables are used for the period after disability retirement.

FUTURE EXPENSES: The assumed interest rate is net of the anticipated future administrative expenses of the fund.

#### METHODS

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ACTUARIAL COST METHOD: Projected benefit method with level percentage entry age normal cost and open-end unfunded accrued liability. Gains and losses are reflected in the accrued liability.

ASSET VALUATION METHOD: A 4-year moving market average value of assets that spreads the difference between the actual investment income and the expected income (based on the valuation interest rate) over a period of 4 years. The actuarial value shall not be less than 91% or more than 109% of market value.

PAYROLL GROWTH: 4<sup>1</sup>/<sub>2</sub>% per annum compounded annually.

REPLACEMENT OF RETIRING MEMBERS: The majority of members who retire do so effective July 1. These members are replaced by new members who are hired after July 1. As a result, new members are not reported on the census data. To compensate for this, assumed payroll for these new members is equal to the difference between actual total System payroll for the fiscal year just ended and reported payroll for members reported on the valuation date.



#### DESCRIPTION OF ACTUARIAL ASSUMPTIONS AND METHODS (Continued)

#### DATA

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CENSUS AND ASSETS: The valuation was based on members of the System as of July 1, 2000 and does not take into account future members. All census and asset data was supplied by the System.



#### SUMMARY OF BENEFIT AND CONTRIBUTION PROVISIONS

Eligibility for Membership	Immediate upon commencement of employment.				
Service Retirement Eligibility	Age 60 with 5 years of service, or age 55 with 25 years of service, or 30 years of service regardless of age.				
Amount	Annual amount equal to the average salary for the the multiplied by years of total C of final average salary if the years of service credit for the multiplied by years of total C that for years of Ohio com excess of 30 the following apply:	bree highest paid years, Dhio service credit, or 2.5% e member has 35 or more the three highest paid years, Ohio service credit, except tributing service credit in			
	<u>Year</u> 31	Percentage 2.5%			

Year	Percentage	
31	2.5%	
32	2.6	,
33	2.7	
34	2.8	
35	2.9	
36	3.0	
37	3.1	
38	3.2	
39	3.3	

or b) \$86 multiplied by years of service credit; and adjusted by the following percentage:

Attained	Ţ	Years of Ohio	% of Base
Age	or	Service Credit	<u>Amount</u>
58		25	75%
59		26	80
60		27	85
61			88
		28	90
62			91
63			94
		29	95
64			97
65		30 or more	100

Annual salary is subject to a limit of 200,000, as adjusted under Section 401(a)(17).

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# TABLE 11

SUMMARY OF BENEF	FIT AND CONTRIBUTION PROVISIONS (Continued)
	Maximum benefit - The lessor of a) 100% of average annual salary for three highest paid years or b) the limit as established by Section 415 of the Internal Revenue Code.
	Minimum benefit - the sum of the annuity provided by a) the member's contributions with interest, b) a pension equal to the annuity, and c) an additional pension of \$40 multiplied by the number of years of prior and military service.
<b>Disability Retirement</b> Eligibility	Membership before July 30, 1992 and election of this benefit, completion of 5 or more years of service, under age 60 and permanently incapacitated for the perfor- mance of duty.
Amount	(1) Annuity with a reserve equal to the member's accumulated contributions, plus
	(2) The difference between (1) and the greater of 2% of the average salary during the 3 highest paid years or \$86 times total service plus years and months from date of disability to age 60. Maximum allowance is 75% of final average salary. Minimum allowance is 30% of final average salary.
Disability Allowance Eligibility	Membership after July 29, 1992, or membership before July 30, 1993 and election of this benefit, completion of 5 or more years of service and permanently incapacitated for the performance of duty.
Amount	The greater of 2.2% of the average salary during the 3 highest paid years or \$86 times total service. Maximum allowance is 60% of final average salary. Minimum allowance is 45% of final average salary. The disability allowance payment terminates at age 65 (or later if payment begins after age 60). After termination of the disability allowance, the member may apply for service retirement.

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#### TABLE 11

#### SUMMARY OF BENEFIT AND CONTRIBUTION PROVISIONS (Continued)

Death after Retirement	Lump sum payment of \$1,000 upon death after service or disability retirement.			
Survivor's Benefit				
Eligibility	Upon death after at least 1½ years of credit for Ohio service with at least 1/4 year of such service in the 2½ years preceding death or upon death of a disability retiree.			
Amount	If member is eligible for retirement, spouse or other sole dependent beneficiary may elect to receive Option 1 benefit in lieu of return of contributions.			
	If member is not eligible for retirement, certain desig- nated beneficiaries may elect to receive the following benefits in lieu of return of contributions.			
	Number % of Average			

Number	% of Average	
of Qualified	Annual Salary for 3	Minimum
Dependents	Highest Paid Years	Annual Benefit
1	25%	\$ 1,152
2	40	2,232
3	50	2,832
4	55	2,832
5 or more	60	2,832

A minimum benefit of a percentage of final average salary based on years of credited service ranging from 25% with 19 years of service to 60% with 29 years of service.

Qualified beneficiaries are spouse, dependent children and/or dependent parents over age 65.

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# **TABLE 11**

# SUMMARY OF BENEFIT AND CONTRIBUTION PROVISIONS (Continued)

Lump Sum Withdrawal Option	In lieu of any other pension or survivor benefits, a member who leaves the System can receive his member contributions with interest in a lump sum according to the following schedule:						
	Credited Service	Lump Sum					
	Less Than 3 Years	Member Contributions with 4% Interest					
	3 or More Years and Less than 5 Years	Member Contributions with 5% Interest					
	5 Years or More	150% of Member Contributions with 5% Interest					
	The Board has the authoric credited to member contribution	· ·					
Optional Forms of Benefit	Option 1 — 100% joint and survivorship. Reduced retirement allowance payable to the member continuing for life to the member's sole beneficiary named at retirement after the member's death.						
	Option 2 — A joint and sur during the lifetime of the m sole beneficiary named at r other portion of the member ber's death.	utions. and survivorship. Reduced ble to the member continuing sole beneficiary named at r's death. urvivorship annuity payable member, with the member's retirement to receive some ber's annuity after the mem-					
	Option 3 — The member's reduced retirement allow- ance provided under Option 1 or Option 2 is to be paid for life to the member's sole beneficiary named at retirement after the member's death, except that in the event of the death of the sole beneficiary or termination of marriage between the retiree and the sole beneficiary, the retiree may elect to return to his single lifetime benefit equivalent which would be available for an actuarially computed charge as determined by the Board. In the case of termination of marriage, the						

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SUMMARY OF BENEFIT	AND CONTRIBUTION PROVISIONS	į.
	(Continued)	

election may be made with the written consent of the beneficiary or by court order. Option 4 - A life annuity payable during the lifetime

of the member, with a guarantee that upon the member's death before the expiration of a certain period, his benefit will continue for the remainder of such period to his beneficiary. Joint beneficiaries may receive the present value of any remaining payments in a lump sum settlement. If all beneficiaries die before the expiration of the certain period, the present value of all remaining payments is to be paid to the estate of the beneficiary last receiving payments.

Option 5 — A plan of payment established by the Board combining any of the features of Option 1, 2, and 4.

Refund of ContributionsA member's contributions with 4% interest are refunded<br/>upon termination of employment where no other benefit<br/>is payable. Upon death after retirement or upon death<br/>of a survivor in receipt of benefits, the member's<br/>contributions with 4% interest at retirement less<br/>payments made are returned to the designated<br/>beneficiary.

# Cost-of-living BenefitsThe basic benefit is increased by the increase in the<br/>Consumer Price Index each year, but not to exceed 3%<br/>of the original base benefit.

members.

Retirees, their spouses and dependents are eligible for a comprehensive medical expense health care plan as may be offered by the Retirement Board and which is subject to changes in terms and conditions from time to time.

14.00% of salaries of their employees who are

9.30% of salary effective July 1, 1994.

# Contribution

By Members

**Health Care** 

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51

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By Employers



#### SUMMARY OF MEMBERSHIP DATA AS OF JULY 1, 2000 (\$ amounts in thousands)

#### **ACTIVE MEMBERS**

Item	Male	Female	Total	
Number of Members Annual Salaries Average Age Average Service	\$ 53,047 2,546,762 44.52 14.07	\$ 121,025 4,839,360 43.14 12.52	\$ 174,072 7,386,122 43.56 12.99	

# **INACTIVE MEMBERS**

Number	Male	Female	Total
Eligible for Allowances	4,472	12,956	17,428
Eligible for Refunds Only	<u>37,410</u>	<u>65,525</u>	<u>102,935</u>
Total	41,882	78,481	120,363

# **RETIREES AND BENEFICIARIES**

Item	Number	Annual Number Allowances			
Retirees	81,111	\$ 2,067,514	\$ 25,490		
Beneficiaries Receiving Optional Allowances Survivors' Benefit Fund	6,152	98,909	16,078		
Beneficiaries	5,381	64,742	12,032		
Disability Retirees	<u>    6,367</u>	160,515	25,210		
Total	99,011	\$ 2,391,680	\$ 24,156		

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#### EXHIBIT I

# **ACTIVE MEMBERSHIP DATA AS OF JULY 1, 2000**

#### NUMBER AND AVERAGE ANNUAL SALARY

	Years of Service									
Age	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
Under 25	5,976									5,97
	\$23,260									\$23,26
25.20	16 140	4 201						1		10 620
25-29	15,148 \$27,330	4,391 \$34,505								
	927,330	\$34,303								920,74.
30-34	6,918	8,553	2,939	1						18,41
	\$27,017	\$37,074	\$42,865	\$52,162						\$34,22
35-39	5,447	3,841	5,889	2,708			ſ			
	\$25,201	\$39,314	\$45,525	\$48,776						<b>\$30,47</b>
40-44	5,480	3,805	3,933	5,385	4,108	5				22.71
	\$24,226	\$39,731	\$48,508	\$50,095	\$51,877	\$51,703	1			5,97 \$23,26 19,53 \$28,94 18,41 \$34,22 17,88 \$38,49 22,71 \$42,16 34,88 \$46,78 33,99 \$50,27 14,48 \$51,47 5,4,66 \$52,36 1,52 \$48,86
										\$34,22 17,88 \$38,49 22,710 \$42,160 34,88 \$46,78 33,99 \$50,27 14,48
45-49	5,223	4,278	4,682	4,281	9,016	7,392	8			
	\$24,225	\$38,980	\$48,413	\$52,995	\$53,215	<del>\$54,775</del>	\$61,347			\$46,78
50-54	3,472	2,969	4,070	4,103	4,975	10,396	4,004	9		33.99
25-29	\$24,072	\$39,666	\$48,362	\$52,615	\$55,306	\$56,313	\$58,471	\$52,244		
										5 4,66
55-59	1,428	1,151	1,631	1,924	2,508	2,705	2,616	517	4	
	\$23,059	\$37,165	\$48,936	\$51,900	\$55,205	\$58,579	\$61,568	\$61,842	\$70,472	\$51,47
60-64	603	375	446	543	769	904	647	328	45	4 66
00-04	\$19,619	\$36,952	\$50,013	\$56,629	\$56,250	\$58,397	\$66,849	\$69,757	\$69,070	
									,	,
Over 64	347	161	127	137	156	199	214	111	71	1,52
	\$12,559	\$27,262	\$56,102	\$62,132	\$59,753	\$62,840	\$70,223	\$74,562	\$69,172	\$48,86
Total	50,042	29,524	23,717	19,082	21,532	21,601	7,489	965	120	174,07
	\$25,362	\$37,811	\$47,123	\$51,555	\$53,831	\$56,217	\$60,615	\$65,906	\$69,177	\$42,43

In addition, there are 13,081 reemployed retirees.

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#### EXHIBIT II

#### RETIREE AND BENEFICIARY MEMBERSHIP DATA AS OF JULY 1, 2000

		Annual Allowances as of July 1, 2000					
		1		Cost-of-Living			
Group	Number	Basic		Increases			Total
Superannuation Retirees							
Males	31,476	\$	835,460,332	\$	154,684,197	s	990,144,529
Females	49,635		907,237,808	_	170,131,473	_	1,077,369,281
Subtotal	81,111	\$	1,742,698,140	\$	324,815,670	\$	2,067,513,810
Beneficiaries Receiving Optional Allowances						l	
Males	1,355	S	10,626,130	s	3,457,263	\$	14,083,393
Females	4,797		62,324,529	_	22,501,569		84,826,098
Subtotal	6,152	\$	72,950,659	\$	25,958,832	\$	98,909,491
Survivors' Benefit Fund Beneficiaries							
Males	2,089	\$	16,739,738	\$	3,554,798	\$	20,294,536
Females	<u> </u>	i—	34,506,786	_	9,940,411		44,447,197
Subtotal	5,381	\$	51,246,524	\$	13,495,209	\$	64,741,733
Disability Retirees							
Males	2,338	\$	55,104,857	\$	12,162,694	s	67,267,551
Females	4,029		77,755,864		15,491,913		93,247,777
Subtotal	6,367	\$	132,860,721	\$	27,654,607	\$	160,515,328
Grand Total	<u>_99,011</u>	<u>\$</u>	1.999.756.044	5	391.924.318	<u>\$</u>	2,391,680,362

### NUMBER AND ANNUAL RETIREMENT ALLOWANCES

Included above are 194 beneficiaries of deceased active members entitled to annual deferred allowances of \$833,279.

THE STATE TEACHERS RETIREMENT SYSTEM OF OHIO

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# EXHIBIT III

# RETIREE AND BENEFICIARY MEMBERSHIP DATA AS OF JULY 1, 2000

# NUMBER AND AVERAGE ANNUAL ALLOWANCE

		Annual	Average
		Allowance	Annual
Age Last Birthday	Number	(Thousands)	Allowance
<b>Retired Annuitants</b>			
Under 60	15,289	\$ 523,212	\$ 34,221
60 - 64	14,353	416,674	29,030
65 - 69	14,381	374,199	26,020
70 - 74	12,961	302,249	23,320
75 - 79	9,546	197,416	20,680
Over 79	<u>14,581</u>	253,764	17,404
Total	81,111	\$ 2,067,514	\$ 25,490
Beneficiaries Receiving			
Optional Allowances		-	
Under 60	393	\$ 7,271	\$ 18,501
60 - 64	335	7,701	22,988
65 - 69	621	12,604	20,296
70 - 74	1,043	17,778	17,045
75 - 79	1,166	18,111	15,533
Over 79	<u>2,594</u>	35,444	13,664
Total	6,152	\$ 98,909	\$ 16,078
Survivors' Benefit Fund			
Beneficiaries			
Under 60	2,389	\$ 24,342	\$ 10,189
60 - 64	575	8,265	14,374
65 - 69	589	8,511	14,450
70 - 74	701	9,505	13,559
75 - 79	524	6,965	13,292
Over 79	<u>    603  </u>	7,154	11,864
Total	5,381	\$ 64,742	\$ 12,032
<b>Disability Retirees</b>			
Under 60	3,305	\$ 92,856	\$ 28,096
60 - 64	984	24,905	25,310
65 - 69	767	17,862	23,288
70 - 74	617	12,710	20,600
75 - 79	429	7,971	18,580
Over 79	_265	4,211	15,891
Total	6,367	\$ 160,515	\$ 25,210

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# EXHIBIT IV

# **10-YEAR HISTORY OF MEMBERSHIP DATA**

Valuation as of July 1 <sup>.</sup>	Number of Active Members	Percentage Change in Membership	Total Annual Payroll	Average Annual Pay	Percentage Increase in Average Pay
2000	174,072	2%	\$ 7,386,121,870	\$ 42,431	3%
1999	170,854	0%	7,040,901,676	41,210	3%
1998	170,126	1%	6,834,059,613	40,171	3%
1997	168,943	1%	6,564,294,037	38,855	3%
1996	166,927	.2%	6,307,142,481	37,784	3%
1995	166,623	(1%)	6,110,218,037	36,670	3%
1994	167,770	1%	5,986,083,803	35,680	3%
1993	165,711	2%	5,742,576,720	34,654	2%
1992	162,898	2%	5,509,947,223	33,825	3%
1991	160,012	1%	5,237,832,049	32,734	4%

## **ACTIVE MEMBERS**

# **RETIREES AND BENEFICIARIES**

Valuation as of July 1	Number	Percentage Change in Membership	Annual Allowances	Percentage Change in Allowances	Average Annual Annuity
2000 1999 1998 1997 1996 1995 1994 1993 1992 1991	99,011 95,796 91,999 88,718 86,132 83,136 77,405 74,230 72,599 70,583	3% 4% 3% 4% 7% 4% 2% 3% 3%	<pre>\$ 2,391,680,362 2,103,138,677 1,929,988,446 1,722,036,619 1,579,770,943 1,434,031,830 1,230,670,886 1,120,770,053 1,029,951,849 938,137,399</pre>	14% 9% 12% 9% 10% 17% 10% 9% 10%	<ul> <li>\$ 24,156</li> <li>21,954</li> <li>20,978</li> <li>19,410</li> <li>18,341</li> <li>17,249</li> <li>15,899</li> <li>15,099</li> <li>14,187</li> <li>13,291</li> </ul>

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# **EXHIBIT V**

# DETAILED TABULATIONS OF THE DATA

THE STATE TEACHERS RETIREMENT SYSTEM OF OHIO

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#### TABLE 1

#### THE NUMBER AND ANNUAL SALARIES OF ACTIVE MEMBERS DISTRIBUTED BY AGE AS OF JULY 1, 2000

			Male		Female		Totals
	Age	Number	Compensation	Number	Compensation	Number	Compensation
	20			4	\$ 49,052	4	\$ 49,052
	21	5	\$ 88,809	39	722,066	44	810,875
2	22	90	1,718,075	709	15,006,058	799	16,724,133
	23	455	9,995,503	1,768	39,274,647	2,223	49,270,150
ĺ	24	732	17,982,770	2,174	54,161,998	2,906	72,144,768
	25	877	23,090,302	2,652	70,035,783	3,529	93,126,085
	26	963	27,085,987	2,665	74,328,786	3,628	101,414,772
	27	982	28,846,932	2,954	83,487,108	3,936	112,334,040
Î	28	1,097	34,325,555	2,924	86,510,157	4,021	120,835,712
	29	1,262	40,549,862	3,163	97,237,484	4,425	137,787,346
100	30	1,139	37,925,571	2,935	93,529,032	4,074	131,454,603
	31	1,134	39,658,650	2,789	90,470,702	3,923	130,129,352
	32	1,082	39,406,257	2,542	84,246,532	3,624	123,652,789
	33	1,090	40,109,645	2,378	83,075,091	3,468	123,184,735
	34	1,092	42,183,022	2,230	79,429,642	3,322	121,612,664
	35	1,087	42,346,364	2,585	88,988,846	3,672	131,335,210
	36	1,058	42,978,140	2,281	85,067,380	3,339	128,045,520
	37	1,087	45,905,533	2,419	89,659,966	3,506	135,565,500
	38	1,085	48,104,115	2,479	93,457,995	3,564	141,562,110
	39	1,138	50,226,862	2,666	101,722,133	3,804	151,948,995
	40	1,135	51,401,026	2,613	100,025,296	3,748	151,426,322
	41	1,228	57,244,640	2,826	110,075,377	4,054	167,320,017
	42	1,287	61,237,693	3,357	131,395,134	4,644	192,632,827
	43	1,522	73,234,698	3,450	140,530,721	4,972	213,765,419
	44	1,531	75,927,175	3,767	156,776,715	5,298	232,703,890
	45	1,684	83,569,482	4,182	177,574,329	5,866	261,143,811
	46	1,759	88,944,011	4,472	191,913,431	6,231	280,857,442
	47	2,095	108,586,256	4,957	219,108,087	7,052	327,694,343
	48	2,269	121,059,359	5,345	243,266,342	7,614	364,325,701
	49	2,483	135,807,955	5,634	262,170,096	8,117	397,978,051
	50	2,545	140,228,898	5,482	257,434,925	8,027	397,663,822
	51	2,566	143,894,781	5,146	241,319,240	7,712	385,214,021
	52	2,409	135,976,418	4,686	221,295,491	7,095	357,271,909
	53	2,365	134,870,382	4,537	214,773,534	6,902	349,643,917
	54	1,420	82,810,931	2,842	136,625,362	4,262	219,436,293
	55	1,233	73,125,992	2,416	115,071,595	3,649	188,197,587
	56	1,091	65,699,900	2,190	103,870,451	3,281	169,570,352
	57	1,063	65,009,826	2,244	104,776,820	3,307	169,786,646
	58	787	47,580,226	1,610	74,210,394	2,397	121,790,620
	59	631	38,395,987	1,219	57,859,559	1,850	96,255,546

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BUCC CONSULTANTS

#### TABLE 1

#### THE NUMBER AND ANNUAL SALARIES OF ACTIVE MEMBERS DISTRIBUTED BY AGE AS OF JULY 1, 2000

		Male		Female		Totals
Age	Number	Compensation	Number	Compensation	Number	Compensation
60	499	\$ 29,847,826	931	\$ 43,391,164	1,430	\$ 73,238,990
61	405	25,203,198	735	34,614,388	1,140	59,817,586
62	333	20,691,213	566	26,425,362	899	47,116,575
63	280	17,895,094	391	18,274,578	671	36,169,672
64	227	14,080,207	293	13,606,067	520	27,686,274
65	171	10,815,816	200	9,061,261	371	19,877,078
66	117	7,713,519	139	6,270,146	256	13,983,665
67	105	5,704,333	110	4,486,948	215	10,191,281
68	84	4,651,283	94	3,932,930	178	8,584,213
69	73	3,826,801	77	3,296,498	150	7,123,299
70	59	3,170,673	39	1,262,532	98	4,433,205
71	34	1,817,771	40	1,598,050	74	3,415,821
72	42	2,049,136	32	1,166,476	74	3,215,612
73	23	758,631	24	858,264	47	1,616,895
74	18	408,136	13	359,198	31	767,334
75	19	994,540	10	222,888	29	1,217,428
Total	53,047	\$ 2,546,761,766	121,025	\$ 4,839,360,104	174,072	\$ 7,386,121,870

# IN ADDITION TO THE ABOVE, THERE ARE THE FOLLOWING REHIRED ANNUITANTS:

#### NUMBER

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#### ACCUMULATED CONTRIBUTIONS PLUS INTEREST

13,081 \$ 36,249,958 .

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#### TABLE 2

#### THE NUMBER AND ANNUAL SALARIES OF ACTIVE MEMBERS DISTRIBUTED BY YEARS OF SERVICE AS OF JULY 1, 2000

Years of	Male			Female		Totals	
Service	Number	Compensation	Number	Compensation	Number	Compensation	
0	2,684	\$ 39,053,183	5,840	\$ 85,633,192	8,524	\$ 124,686,375	
1	3,958	93,210,781	9,924	229,279,400	13,882	322,490,181	
2	3,158	92,302,810	7,794	213,791,103	10,952	306,093,914	
3	2,615	82,327,159	6,423	189,716,974	9,038	272,044,133	
4	2,204	77,026,342	5,442	166,799,871	7,646	243,826,213	
5	1,899	71,097,901	4,894	157,863,917	6,793	228,961,818	
6	1,768	71,215,119	4,603	159,300,922	6,371	230,516,041	
7	1,701	73,639,400	4,334	157,891,079	6,035	231,530,479	
8	1,374	62,750,172	3,821	145,835,753	5,195	208,585,925	
9	1,427	69,819,980	3,703	146,921,630	5,130	216,741,611	
10	1,374	71,242,075	3,935	164,212,694	5,309	235,454,769	
11	1,300	68,931,984	3,611	156,366,695	4,911	225,298,679	
12	1,294	71,522,285	3,259	145,817,740	4,553	217,340,025	
13	1,194	67,338,570	3,264	150,251,665	4,458	217,590,236	
14	1,248	71,290,156	3,238	150,633,773	4,486	221,923,928	
15	1,330	77,605,584	3,133	148,832,809	4,463	226,438,393	
16	1,194	68,858,917	3,135	151,237,953	4,329	220,096,871	
17	1,031	62,054,503	2,745	133,731,477	3,776	195,785,980	
18	890	53,828,070	2,395	116,781,616	3,285	170,609,686	
19	893	54,136,381	2,336	116,698,795	3,229	170,835,176	
20	1,176	70,095,632	2,758	139,006,866	3,934	209,102,498	
21	1,258	75,974,184	3,051	154,522,266	4,309	230,496,450	
22	1,315	78,634,773	3,156	162,229,489	4,471	240,864,262	
23	1,337	79,826,696	3,200	164,913,725	4,537	244,740,421	
24	1,391	82,914,490	2,890	150,963,133	4,281	233,877,623	
25	1,432	85,419,681	2,878	151,076,539	4,310	236,496,220	
26	1,492	90,591,571	2,914	155,458,443	4,406	246,050,014	
27	1,601	96,913,961	2,920	156,688,524	4,521	253,602,486	
28	1,742	106,919,027	2,751	148,380,749	4,493	255,299,776	
29	1,511	94,939,035	2,360	127,954,662	3,871	222,893,697	
30	971	62,752,850	1,354	74,578,918	2,325	137,331,768	
31	993	65,251,119	986	55,601,871	1,979	120,852,990	
32	738	48,702,257	643	35,032,957	1,381	83,735,214	
33	569	37,720,736	466	25,985,701	1,035	63,706,437	
34	419	28,542,427	350	19,778,512	769	48,320,938	
35	197	14,439,792	182	10,426,584	379	24,866,375	
36	134	9,758,201	108	6,137,998	242	15,896,200	
37	97	6,994,282	81	4,618,969	178	11,613,251	
38	51	4,105,163	50	2,815,825	101	6,920,988	
39	30	2,357,447	35	1,945,157	65	4,302,604	

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#### TABLE 2

#### THE NUMBER AND ANNUAL SALARIES OF ACTIVE MEMBERS DISTRIBUTED BY YEARS OF SERVICE AS OF JULY 1, 2000

Years of				Female		Totals
Service			Number	Compensation	Number	Compensation
40	17	\$ 1,466,179	20	\$ 1,158,195	37	\$ 2,624,373
41	13	1,089,283	14	731,080	27	1,820,363
42	12	941,855	11	785,139	23	1,726,995
43	4	383,602	6	338,291	10	721,892
44	3	258,778	5	290,728	8	549,507
45	1	60,124	3	143,484	4	203,608
46	3	169,652	1	48,863	4	218,515
47	1	99,955	1	56,455	2	156,410
48	1	57,107	2	91,924	3	149,031
49	1	69,252			1	69,252
54	1	61,283			1	61,283
Total	53,047	\$ 2,546,761,766	121,025	\$ 4,839,360,104	174,072	\$ 7,386,121,870

IN ADDITION TO THE ABOVE, THERE ARE

THE FOLLOWING REHIRED ANNUITANTS:

#### NUMBER

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ACCUMULATED CONTRIBUTIONS PLUS INTEREST

13,081 \$ 36,249,958



#### TABLE 3

#### THE NUMBER OF INACTIVE MEMBERS ELIGIBLE FOR FUTURE ALLOWANCE DISTRIBUTED BY AGE AS OF JULY 1, 2000

Age	Male	Female	Totals	
UNKNOWN	11	23	34	
27		11	11	
28	4	33	37	
29	2	77	79	
30	12	156	168	
31	19	172	191	
32	28	230	258	
33	32	262	294	
34	26	230	256	
35	42	243	285	
36	44	258	302	
37	43	261	304	
38	55	291	346	
39	69	278	347	
40	83	264	347	
41	95	268	363	
42	100	320	420	
43	114	343	457	
44	144	401	545	
45	140	387	527	
46	157	430	587	
47	188	459	647	
48	197	543	740	
49	195	623	818	
50	236	612	848	
51	243	624	867	
52	273	647	920	
53	320	671	991	
54	217	456	673	
55	178	539	717	
56	243	495	738	
57	236	593	829	
58	197	513	710	
59	171	484	655	
60	96	218	314	
61	83	163	246	
62	49	107	156	
63	31	90	121	17 C
64	29	56	85	
65	20	29	49	

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#### TABLE 3

#### THE NUMBER OF INACTIVE MEMBERS ELIGIBLE FOR FUTURE ALLOWANCE DISTRIBUTED BY AGE AS OF JULY 1, 2000

Age	Male	Female	Totals
66	6	17	23
67	13	15	28
68	7	12	19
69	6	13	19
70	5	14	19
71	3	12	15
72	4	5	9
73	1	1	2
74	3	3	6
75	2	4	6
Total	4,472	12,956	17,428

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#### TABLE 4

#### THE NUMBER OF INACTIVE MEMBERS ELIGIBLE FOR REFUNDS ONLY DISTRIBUTED BY AGE AS OF JULY 1, 2000

Age	Male	Female	Totals
UNKNOWN	543	6,183	6,726
20	20	19	39
21	33	91	124
22	117	381	498
23	211	566	777
24	305	716	1,021
25	420	932	1,352
26	507	1,089	1,596
27	533	1,274	1,807
28	657	1,521	2,178
29	751	1,792	2,543
30	870	1,854	2,724
31	874	1,798	2,672
32	821	1,855	2,676
33	883	1,726	2,609
34	<del>928</del>	1,541	2,469
35	935	1,611	2,546
36	1,061	1,546	2,607
37	1,086	1,575	2,661
38	1,022	1,510	2,532
39	1,035	1,635	2,670
40	996	1,565	2,561
41	1,114	1,621	2,735
42	1,097	1,726	2,823
43	1,154	1,704	2,858
44	1,166	1,669	2,835
45	1,295	1,691	2,986
46	1,295	1,946	3,241
47	1,246	1,871	3,117
48	1,265	2,014	3,279
49	1,307	1,950	3,257
50	1,239	1,865	3,104
51	1,232	1,810	3,042
52	1,203	1,728	2,931
53	1,304	1,848	3,152
54	796	1,185	1,981
55	765	1,107	1,872
56	622	941	1,563
57	703	1,014	1,717
58	582	872	1,454

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## THE NUMBER OF INACTIVE MEMBERS ELIGIBLE FOR REFUNDS ONLY DISTRIBUTED BY AGE AS OF JULY 1, 2000

Age	Male	Female	Totals
59	467	732	1,199
60	409	527	936
61	345	474	819
62	343	431	774
63	292	359	651
64	238	267	505
65	199	240	439
66	203	194	397
67	180	166	346
68	136	142	278
69	115	142	257
70	116	133	249
71	103	86	189
72	85	66	151
73	78	95	173
- 74	56	65	121
75	52	64	116
Total	37,410	65,525	102,935

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#### TABLE 5

#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

## SUPERANNUATION RETIREES

		Male		Female		Totals	
Age	Number	Annuities	Number	Annuities	Number	Annuities	
46			1	\$ 38,107	1	\$ 38,107	
48	1	27,348	1	40,461	2	67,809	
49	7	251,424	5	172,813	12	424,237	
50	26	1,002,697	44	1,408,496	70	2,411,192	
51	148	5,090,835	236	7,611,915	384	12,702,750	
52	504	17,557,435	547	18,104,993	1,051	35,662,428	
53	870	31,038,718	853	28,102,741	1,723	59,141,459	
54	741	26,338,573	684	22,615,147	1,425	48,953,719	
55	864	30,571,239	821	26,617,508	1,685	57,188,747	
56	966	34,358,731	990	32,104,788	1,956	66,463,519	
57	1,235	45,055,646	1,184	37,794,576	2,419	82,850,222	
58	1,119	41,680,072	1,195	38,481,796	2,314	80,161,868	
59	1,093	40,478,225	1,155	36,728,169	2,248	77,206,394	
60	1,142	41,063,884	1,457	38,962,359	2,599	80,026,243	
61	1,187	42,250,245	1,646	42,269,293	2,833	84,519,538	
62	1,219	42,742,092	1,808	45,068,425	3,027	87,810,516	
63	1,216	41,669,111	1,745	41,047,379	2,961	82,716,490	
64	1,223	41,734,844	1,710	39,866,118	2,933	81,600,962	
65	1,225	39,171,538	1,786	39,894,985	3,011	79,066,523	
66	1,177	36,961,872	1,537	34,624,594	2,714	71,586,466	
67	1,212	38,557,566	1,673	37,604,686	2,885	76,162,252	
68	1,185	36,704,762	1,571	34,065,418	2,756	70,770,181	
69	1,257	39,171,626	1,760	37,465,148	3,017	76,636,774	
70	1,131	33,722,843	1,704	35,162,036	2,835	68,884,879	
71	1,098	31,966,367	1,565	31,986,614	2,663	63,952,982	
72	1,053	30,719,069	1,551	30,361,246	2,604	61,080,315	
73	1,002	27,550,163	1,518	29,159,636	2,520	56,709,800	
74	955	25,790,322	1,384	25,830,297	2,339	51,620,619	
75	948	26,034,706	1,260	23,598,684	2,208	49,633,390	
76	824	21,615,939	1,186	20,365,630	2,010	41,981,573	
77	678	18,442,200	1,190	20,277,419	1,868	38,719,619	
78	652	16,634,245	1,103	18,327,086	1,755	34,961,331	
79	554	13,878,873	1,151	18,241,602	1,705	32,120,475	
80	451	11,073,321	1,079	17,679,737	1,530	28,753,058	
81	354	8,617,605	1,030	15,960,344	1,384	24,577,949	
82	351	7,952,936	1,062	16,664,889	1,413	24,617,825	
83	314	7,222,749	931	14,351,972	1,245	21,574,721	
84	244	5,626,684	896	13,733,495	1,140	19,360,179	
85	238	5,394,415	889	13,925,630	1,127	19,320,045	
86	205	4,850,303	803	12,651,869	1,008	17,502,172	

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#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### SUPERANNUATION RETIREES

Annuities 16,115,839 13,687,286 12,623,875 11,835,433 10,239,035 9,081,050 6,856,107
13,687,286 12,623,875 11,835,433 10,239,035 9,081,050
12,623,875 11,835,433 10,239,035 9,081,050
11,835,433 10,239,035 9,081,050
10,239,035 9,081,050
9,081,050
6,856,107
5,398,872
4,171,791
2,879,906
1,703,257
1,555,305
683,979
403,997
287,305
212,254
60,311
102,536
52,575
4,576
19,193
2,067,513,810
815,650,997
575,052,436
259,442,649
273,212,893
56,457,245
615,329
714,358
531,861
85,836,042

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#### TABLE 6

#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### DISABILITY RETIREES

	Male			Fer	Female			Totals		
Age	Number	Number Annuities			Annuities	Number		Annuities		
29			2	\$	20,729	2	\$	20,729		
30	1	\$ 24,163				1		24,163		
31	1	25,193	3		54,027	4		79,220		
32			7		129,562	7		129,562		
33		<i>\$</i>	5		121,751	5		121,751		
34	1	13,754	7		160,109	8		173,864		
35	2	50,634	7		146,575	9		197,209		
36	3	58,031	9		206,850	12		264,881		
37	7	197,625	15		349,815	22		547,440		
38	5	111,562	7		152,981	12		264,543		
39	4	89,423	22		531,357	26		620,780		
40	5	162,911	17		418,958	22		581,869		
41	7	182,114	25		596,475	32		778,589		
42	7	199,559	24		624,821	31		824,380		
43	6	162,251	37		949,879	43		1,112,130		
44	15	435,598	39		1,062,786	54		1,498,384		
45	17	507,209	52		1,391,383	69		1,898,592		
46	25	715,295	66		1,731,396	91		2,446,691		
47	28	834,024	81		2,158,893	109		2,992,916		
48	49	1,518,392	96		2,473,315	145		3,991,707		
49	54	1,685,363	125	l I	3,396,830	179		5,082,193		
50	60	1,832,644	137		3,801,374	197		5,634,018		
51	93	2,978,539	152		4,310,971	245		7,289,510		
52	99	3,195,926	150	ł.	4,196,602	249		7,392,528		
53	128	4,172,003	169		4,643,752	297		8,815,754		
54	93	3,005,956	128		3,311,068	221		6,317,024		
55	106	3,407,858	145		3,948,349	251		7,356,207		
56	88	2,691,006	146		3,828,085	234		6,519,091		
57	111	3,335,004	174		4,528,894	285		7,863,898		
58	81	2,411,949	144		3,643,560	225		6,055,509		
59	95	2,895,810	123		3,064,954	218	1	5,960,764		
60	79	2,562,263	125		2,951,430	204		5,513,693		
61	80	2,270,445	124		3,008,745	204		5,279,190		
62	69	1,883,968	138		3,180,765	207		5,064,733		
63	72	2,076,933	110		2,353,840	182		4,430,773		
64	80	2,219,999	107		2,396,903	187		4,616,902		
65	70	1,811,307	104		2,310,281	174		4,121,588		
66	74	1,994,285	85		1,794,910	159		3,789,195		
67	56	1,467,531	66		1,452,317	122		2,919,848		
68	60	1,691,464	99		1,952,991	159		3,644,455		

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#### TABLE 6

#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### DISABILITY RETIREES

	Male			Fer	nale	Totals			
Age	Number	Annuities	Number		Annuities	Number	Annuities		
69	74	\$ 1,929,323	79	\$	1,457,756	153	\$	3,387,079	
70	51	1,287,561	75		1,297,395	126		2,584,956	
71	48	1,192,757	71		1,246,845	119		2,439,602	
72	59	1,473,333	71		1,279,585	130		2,752,918	
73	47	1,126,631	91		1,689,969	138		2,816,600	
74	42	1,060,934	62		1,054,496	104		2,115,430	
75	41	945,791	68		1,029,895	109		1,975,686	
76	33	839,776	60		982,337	93		1,822,113	
77	24	612,095	51		870,654	75		1,482,749	
78	20	450,362	66		1,070,101	86		1,520,463	
79	20	415,969	46		754,016	66		1,169,985	
80	13	280,924	39		591,828	52		872,752	
81	9	254,796	46		715,686	55		970,482	
82	12	230,465	33		560,680	45		791,145	
83	3	44,857	18		266,306	21		311,163	
84	3	93,534	22		268,245	25		361,779	
85	4	65,363	17		201,495	21		266,858	
86	3	70,501	9		134,459	12		204,960	
87			9		121,848	9		121,848	
88			2		23,915	2		23,915	
89	1	14,588	6		66,101	7		80,689	
90			4		42,132	4		42,132	
91			2		31,576	2		31,576	
92		÷.	2	ĺ	26,895	2		26,895	
93			1		6,247	1		6,247	
94			3		34,251	3		34,251	
95			2		32,401	2		32,401	
96			2		32,380	2		32,380	
Total	2,338	\$ 67,267,552	4,029	\$	93,247,776	6,367	\$	160,515,328	

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#### TABLE 7

#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### **CONTINGENT RETIREES**

	Male			Female	Totals		
Age	Number	Annuities	Number	Annuities	Number	Annuities	
17	1	\$ 669			1	\$ 669	
18	1	6,216			1	6,216	
22	1	32,524			1	32,524	
23	2	78,611			2	78,611	
24	1	846			1	846	
28			2	\$ 37,506	2	37,506	
29	3	73,255	2	40,205	5	113,460	
30			2	41,953	2	41,953	
31	2	5,525	2	7,336	4	12,861	
32							
33	2	25,556	3	40,978	5	66,534	
35	1	27,418	1	12,992	2	40,410	
36	2	4,718	3	54,298	5	59,016	
37	2	51,908			2	51,908	
38	4	56,745			4	56,745	
39	3	42,624	2	38,079	5	80,703	
40	3	17,699	3	83,463	6	101,162	
41	2	41,554	4	75,144	6	116,698	
42	2	49,568	5	79,266	7	128,834	
43	1	1,008	4	93,762	5	94,770	
44	5	76,876	4	29,552	9	106,428	
45	2	29,744	8	112,102	10	141,846	
46	3	19,112	12	241,239	15	260,351	
47	6	106,028	4	69,857	10	175,885	
48	2	12,095	4	44,552	6	56,647	
49	4	43,132	16	288,708	20	331,840	
50	1	7,311	10	159,824	11	167,135	
51	3	56,358	8	121,011	11	177,369	
52	3	42,699	16	235,151	19	277,850	
53			21	344,753	21	344,753	
54	6	47,592	12	254,522	18	302,114	
55	5	85,522	23	508,618	28	594,140	
56	5	102,908	26	445,899	31	548,807	
57	6	71,677	34	931,019	40	1,002,696	
58	8	146,563	28	705,931	36	852,494	
59	6	110,821	36	698,895	42	809,716	
60	8	118,607	45	938,115	53	1,056,722	
61	7	102,003	60	1,466,767	67	1,568,770	
62	6	77,391	47	1,226,186	53	1,303,577	
63	11	162,069	71	1,599,254	82	1,761,323	

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#### TABLE 7

#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### **CONTINGENT RETIREES**

		Male		Female	Totals		
Age	Number	Annuities	Number	Annuities	Number Annuities		
64	6	\$ 121,987	74	\$ 1,888,802	80	\$ 2,010,789	
65	19	310,148	95	2,191,623	114	2,501,771	
66	14	181,848	96	2,056,438	110	2,238,286	
67	20	215,771	95	2,047,071	115	2,262,842	
68	33	507,488	99	2,064,761	132	2,572,249	
69	27	468,060	123	2,560,816	150	3,028,876	
70	34	298,673	162	3,571,569	196	3,870,242	
71	51	523,435	162	2,973,102	213	3,496,537	
72	37	436,990	174	3,083,550	211	3,520,540	
73	48	485,160	159	3,076,658	207	3,561,818	
74	57	643,829	159	2,684,973	216	3,328,802	
75	38	409,028	202	3,790,508	240	4,199,536	
76	55	464,426	171	2,831,323	226	3,295,749	
77	56	554,040	172	2,791,499	228	3,345,539	
78	58	475,338	186	3,366,852	244	3,842,190	
79	53	447,955	175	2,979,875	228	3,427,830	
80	66	620,938	177	2,661,548	243	3,282,486	
81	62	470,696	163	2,765,165	225	3,235,861	
82	65	621,582	175	2,709,941	240	3,331,523	
83	65	514,258	144	2,201,020	209	2,715,278	
84	46	380,811	167	2,655,682	213	3,036,493	
85	66	582,230	160	2,547,679	226	3,129,909	
86	44	411,179	130	2,023,089	174	2,434,268	
87	35	383,831	124	1,995,370	159	2,379,201	
88	36	349,592	124	1,895,798	160	2,245,390	
89	32	272,903	122	1,760,844	154	2,033,747	
90	26	260,896	103	1,418,758	129	1,679,654	
91	21	202,894	82	1,263,577	103	1,466,471	
92	18	204,252	81	1,056,468	99	1,260,720	
93	12	85,990	59	847,470	71	933,460	
94	11	109,401	51	646,638	62	756,039	
95	7	79,171	46	558,243	53	637,414	
96	3	28,976	27	384,342	30	413,318	
97	3	17,711	12	136,834	15	154,545	
98			11	130,820	11	130,820	
99	1	6,954	6	57,012	7	63,966	
100			5	76,450	5	76,450	
101			1	12,326	1	12,326	
102			2	18,547	2	18,547	
103			1	9,963	1	9,963	

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#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### **CONTINGENT RETIREES**

	Male			Male Female			Totals		
Age	Number		Annuities	Number	Annuities	Number		Annuities	
104				1	\$ 3,861	1	\$	3,861	
106				1	2,296	1		2,296	
Total	1,355	\$	14,083,393	4,797	\$ 84,826,098	6,152	\$	98,909,491	

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#### TABLE 8

#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### BENEFICIARIES RECEIVING ALLOWANCES UNDER SURVIVORS' BENEFIT FUND

	Male			Female		Totals
Age	Number	Annuities	Number	Annuities	Number	Annuities
0	2	\$ 6,532	1	\$ 1,925	3	\$ 8,457
1	1	6,272	2	6,858	3	13,130
2	2	14,302			2	14,302
2 3	5	24,223	3	11,888	8	36,111
4	4	15,208	3	11,075	7	26,283
5	6	24,910	6	23,989	12	48,899
6	9	40,024	6	25,279	15	65,303
7	7	30,993	6	30,126	13	61,119
8	11	54,650	6	23,641	17	78,291
9	13	68,503	10	50,788	23	119,291
10	15	91,879	20	91,398	35	183,277
11	21	141,895	22	119,465	43	261,360
12	18	94,117	16	91,731	34	185,848
13	29	153,511	23	156,573	52	310,084
14	35	203,976	28	151,037	63	355,013
15	30	166,520	33	188,141	63	354,661
16	28	176,893	30	161,731	58	338,624
17	38	226,519	41	226,511	79	453,030
18	50	302,951	48	233,455	98	536,406
19	51	332,174	44	296,320	95	628,494
20	47	283,002	65	424,109	112	707,111
21	50	308,571	40	237,804	90	546,375
22	2	2,761			2	2,761
24	5	38,567			5	38,567
25	1	6,135	1	5,885	2	12,020
26			1	3,902	1	3,902
27	2	5,473	1	9,555	3	15,028
28	1	5,262	1	4,239	2	9,501
29			1	5,450	1	5,450
30	1	6,529	2	12,729	3	19,258
31	2	11,506	1	7,631	3	19,137
32	3	20,058	2	33,558	5	53,616
33	4	40,918	4	39,440	8	80,358
34	5	36,110	6	48,700	11	84,810
35	3	19,973	1	1,636	4	21,609
36	3	26,532	6	77,953	9	104,485
37	3	28,365	9	88,652	12	117,017
38	11	95,468	7	80,881	18	176,349
39	3	18,724	7	61,849	10	80,573
40	6	55,578	11	132,932	17	188,510

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#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### BENEFICIARIES RECEIVING ALLOWANCES UNDER SURVIVORS' BENEFIT FUND

		Male			Female	Totals		
	Age	Number	Annuities	Number	Annuities	Number	Annuities	
	41	9	\$ 83,407	7	\$ 87,498	16	\$ 170,905	
	42	15	130,145	8	91,511	23	221,656	
	43	8	73,829	10	119,449	18	193,278	
	44	13	96,961	8	75,987	21	172,948	
	45	19	218,448	16	232,208	35	450,656	
	46	17	151,688	25	279,261	42	430,949	
	47	22	170,386	34	362,876	56	533,262	
	48	23	243,937	39	491,076	62	735,013	
	49	24	241,209	38	503,665	62	744,874	
	50	34	324,959	41	557,280	75	882,239	
	51	21	198,586	44	594,047	65	792,633	
	52	33	368,060	51	799,627	84	1,167,687	
	53	58	549,124	77	1,285,974	135	1,835,098	
	54	47	619,454	58	923,517	105	1,542,971	
	55	34	450,078	67	1,052,566	101	1,502,644	
	56	40	399,524	63	1,004,683	103	1,404,207	
	57	51	612,843	75	1,286,482	126	1,899,325	
	58	47	491,131	65	1,115,396	112	1,606,527	
	59	38	488,356	69	1,202,583	107	1,690,939	
	60	42	538,883	47	743,601	89	1,282,484	
1.1	61	42	396,178	74	1,223,107	116	1,619,285	
1	62	49	628,507	86	1,285,570	135	1,914,077	
	63	40	478,879	76	1,161,051	116	1,639,930	
	64	37	451,409	82	1,357,750	119	1,809,159	
	65	44	550,921	69	1,278,006	113	1,828,927	
	66	40	523,673	74	1,209,929	114	1,733,602	
	67	43	575,406	66	868,773	109	1,444,179	
	68	39	429,100	81	1,224,287	120	1,653,387	
	69	48	525,825	85	1,324,657	133	1,850,482	
	70	47	597,353	92	1,425,182	139	2,022,535	
1	71	42	426,384	87	1,421,924	129	1,848,308	
1	72	56	643,897	94	1,419,535	150	2,063,432	
	73	50	493,657	101	1,448,894	151	1,942,551	
	74	44	436,309	88	1,191,429	132	1,627,738	
1	75	44	405,839	76	1,065,603	120	1,471,442	
	76	39	392,972	68	1,052,099	107	1,445,071	
	77	27	290,776	68	1,116,673	95	1,407,449	
	78	32	302,427	78	1,173,098	110	1,475,525	
	79	37	384,593	55	781,254	92	1,165,847	
	80	26	238,581	49	717,533	75	956,114	

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#### THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED BY AGE AS OF JULY 1, 2000

#### BENEFICIARIES RECEIVING ALLOWANCES UNDER SURVIVORS' BENEFIT FUND

		Male Female			Totals			
Age	Number	Annuities	Number		Annuities	Number		Annuities
81	16	\$ 199,944	34	\$	400,487	50	\$	600,431
82	10	111,172	39		516,226	49		627,398
83	12	131,269	37		558,749	49		690,018
84	21	221,008	38		374,515	59		595,523
85	25	244,076	33		404,096	58		648,172
86	8	87,127	33		400,256	41		487,383
87	8	89,357	32		437,692	40		527,049
88	10	108,877	21		316,007	31		424,884
89	7	68,023	22		201,644	29		269,667
90	4	33,341	21		259,222	25		292,563
91	7	83,753	17		221,242	24		304,995
92	1	12,986	20	1	189,026	21		202,012
93	2	12,601	9	ļ	98,060	11		110,661
94	2	8,848	13		134,813	15		143,661
95	2	11,585	6		59,561	8		71,146
96	1	11,102	5		59,169	6		70,271
97	1	6,955	4		53,208	5		60,163
98	2	13,613	3		28,747	5		42,360
99	1	22,429				1		22,429
102	1	7,192				1		7,192
Total	2,089	\$ 20,294,536	3,292	\$	44,447,197	5,381	\$	64,741,733

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