

Sacramento County Employees' Retirement System, Sacramento, California

A Pension Trust Fund for the County of Sacramento and Member Special Districts

Comprehensive Annual Financial Report

Fiscal Year Ended June 30, 2000

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Sacramento County Employees' Retirement System, Sacramento, California

(A Pension Trust Fund for the County of Sacramento and Member Special Districts)

Comprehensive Annual Financial Report

For the Fiscal Year Ended June 30, 2000

Mission Statement

We are dedicated to providing quality services and managing system assets in a prudent manner.

> Issued by: John R. Descamp Chief Executive Officer

Steven A. Grimshaw Chief Operations Officer This page intentionally left blank.

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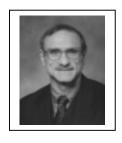
Introductory Section

Sacramento County Employees' Retirement System

Letter of Transmittal

December 15, 2000

Board of Retirement Sacramento County Employees' Retirement System 980 9th Street, Suite 750 Sacramento, CA 95814



John R. Descamp Chief Executive Officer

Dear Board Members,

As Chief Executive Officer of the Sacramento County Employees' Retirement System ("SCERS" or the "System"), I am pleased to present this Comprehensive Annual Financial Report (CAFR) for the fiscal year ended June 30, 2000.

The System

SCERS is a public employees' retirement system enacted, managed and administered in accordance with provisions of the County Employees' Retirement Law of 1937 (California Government Code Section 31450, et seq). The purpose of which is to provide retirement, disability and survivors' benefits to participants of the System. In accordance with Section 31500 of that law, SCERS was created by ordinance adopted by the Sacramento County Board of Supervisors on April 30, 1941 and was effective July 1, 1941. Article XVI, Section 17 of the constitution of the State of California establishes that the Board of Retirement shall have plenary authority and fiduciary responsibility for investment of monies and administration of the System. At June 30, 2000, participating local government employers consisted of the County of Sacramento and 11 special districts.

The Comprehensive Annual Financial Report

Responsibility for both the accuracy of the data and the completeness and fairness of the presentation rests with the management of the System. To the best of our knowledge and belief, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the System.

The CAFR is divided into five sections.

- The Introductory Section contains a letter of transmittal, a list of Board of Retirement members, an organization chart for SCERS, a list of participating employers, and a list of professional consultants used by the System.
- The Financial Section presents the Independent Auditor's Report, the financial statements, notes and required supplemental information.
- The Investment Section contains the Chief Investment Officer's Report, summarizing the investment policy and asset allocation, and includes a listing of investment professionals currently under contract with SCERS. In addition, this section contains current and historical investment results, a listing of the top ten holdings at June 30, 2000 and a schedule of manager's fees.
- The Actuarial Section provides the independent actuary's certification, a summary of actuarial assumptions and methods, and various actuarial statistics.

The Statistical Section contains significant detailed information pertaining to the administration of the System.

I trust that readers of this Report and participants of the System will find this information helpful in understanding SCERS and its commitment to financial integrity and participant service.

SCERS Mission Statement and Core Values

We are dedicated to providing quality services and managing system assets in a prudent manner. In carrying out our mission we will:

- > Act as fiduciaries for the members, retirees and beneficiaries.
- > Take responsibility for cost effective operations and minimize employer contributions.
- > Display competency, courtesy and respect.
- Continue our professional growth through education and training.
- Plan strategically for the future.

Accounting System and Reports

Management of SCERS is responsible for establishing and maintaining internal controls designed to ensure that SCERS' assets are protected from loss, theft, or misuse. Responsibility for the accuracy, completeness, and fair presentation of the information, and all disclosures, rests with SCERS' management. Macias, Gini & Company, LLP, a certified public accounting firm, has completed their audit of the financial statements and related disclosures. The financial audit provides assurance about whether SCERS' financial statements are presented in conformity with generally accepted accounting principles and are free from material misstatement. The internal controls are designed to provide reasonable, but not absolute, assurance that these objectives are met. The concept of reasonable assurance recognizes that: (1) the cost of a control should not exceed the benefits likely to be derived; and (2) the valuation of costs and benefits requires estimates and judgements by management.

This report has been prepared in accordance with generally accepted accounting principles as promulgated by the Governmental Accounting Standards Board (GASB).

Financial and Economic Summary and SCERS Investments

During the fiscal year ended June 30, 2000, the U.S. economy achieved a remarkable record of continued strong growth with reasonably low inflation. Real gross domestic product rose 6.1% from the year-ago level, while the consumer price index rose 3.7% during the 12-month period ending June 30. Although rising inflation remained under control, the unemployment rate declined to 4.0% in June.

The domestic equity and international equity markets were quite volatile and domestic fixed income markets displayed increasing concerns of the economy overheating. To control inflation the Federal Reserves' monetary policies and activities were well received by the financial markets.

For SCERS, our diversified portfolio was well positioned, yielding double-digit investment returns. Total fund return was 9.8% for the year. Our portfolio included domestic equity, international equity, domestic fixed income, international fixed income and real estate investments. Specific returns by component were: domestic equity 9.4%; international equity 18.3%; domestic and international fixed income (combined performance) 5.1% and real estate 12.7%.

<u>Revenues</u>

SCERS revenue comes from the earnings of the investment portfolio and the collection of employer and employee contributions. Gross revenue for the fiscal year ended June 30, 2000 and June 30, 1999 amounted to \$399,380,360 and \$445,237,056, respectively. The fair value

of the investment portfolio, net of related liabilities reached \$3.7 billion, an increase of \$284.5 million over the previous year. An explanation of investment policies, investment strategies and the portfolio's composition is included in the Investment Section of this report.

| | | | Increase | Increase |
|-------------------------|----------|----------|------------|------------|
| Revenues – Additions to | | | (Decrease) | (Decrease) |
| Plan Net Assets | 2000 | 1999 | ` Amount ' | Percentagé |
| Employer | \$ 42.02 | \$ 46.75 | \$(4.73) | (10.12%) |
| Members | 30.02 | 30.39 | (.37) | (1.22%) |
| Gross Investment Income | 327.34 | 368.10 | (40.76) | (11.07%) |
| Total | 399.38 | 445.24 | (45.86) | (10.30%) |

Contributions and Investment Earnings (in millions)

Expenses

SCERS was created to provide lifetime retirement benefits, survivor benefits and permanent disability benefits to qualified members and their beneficiaries. The cost of such programs includes recurring benefit payments, as designated by the plan, the refund of contributions to terminated employees and the cost of administering the system. Benefit payments and other expenses were consistent with the prior year and increased by \$8,885,373 or 11% percent.

Increase Increase Expenses – Deductions in (Decrease) (Decrease) Plan Net Assets 2000 1999 Percentage Amount Service Retirement, Death \$ 89.30 \$ 80.61 \$ 8.69 10.78% and Disability Benefits Paid **Retired Members Death** .29 190.0% .10 .19 Benefits Health & Dental Benefits 6.95 5.97 .98 16.42% 3.31 3.93%) Refunds Paid 3.18 .13) .24 Administrative 3.60 3.36 7.14% 9.97 Total 103.32 93.35 10.68%

Benefit Payments and other Expenses (in millions)

Actuarial Funding Status

SCERS' funding objective is to meet long-term benefit promises by retaining a well-funded plan status and obtaining superior investment returns while minimizing employer contributions. Employer contributions remain approximately level as a percent of member payroll. The greater the level of overall plan funding, the larger the ratio of assets accumulated to the actuarial accrued liability and the greater the level of investment potential. The advantage of a well-funded plan is that the benefits earned by participants are funded during their working careers and not by future generations of taxpayers. At the present time, SCERS enjoys a funding ratio in excess of 100%.

SCERS engages an independent actuarial consulting firm, William M. Mercer, Incorporated, to conduct annual actuarial valuations. Recommendations are presented to the Board of Retirement for consideration. Triennially, an analysis is made of the appropriateness of all economic and non-economic assumptions. The last triennial analysis was performed as of June 30, 1998 and the Board adopted certain changes to non-economic assumptions.

The actuarial accrued liability of SCERS at June 30, 2000 and June 1999 amount to \$3,111,760,000 and \$2,734,548,000 respectively. The net actuarial value of assets at June 30, 2000 and June 30, 1999 amounted to \$3,427,348,000 and \$3,017,639,000 respectively.

Major Initiatives and Significant Events

During the current fiscal year the System continued to implement elements of the strategic plan and also addressed new issues which arose during the year. Following are the major initiatives and significant events which occurred:

- ✓ Continued implementation of long range strategic action plans.
- Published inaugural edition of SCERS "Comprehensive Annual Financial Report." Submitted to Government Finance Officers Association for certification.
- Produced and distributed Volume 2 of "The Latest Wrinkle" and "The Finish Line" newsletters to retired and active members.
- Improved and expanded information provided in SCERS "Retirement Handbook." Distributed to active membership via U.S. Mail.
- Improved and expanded information provided in SCERS "Member's Annual Statement," and distributed to active, deferred and reciprocal membership via U.S. Mail.
- Improved and expanded information provided on SCERS web site and introduced Retirement Planning Benefit Calculator.
- ✓ Provided retiree first checks on average one processing day after statutory minimum.
- ✓ Doubled burial benefit provided to SCERS retirees from \$2,000 to \$4,000.
- ✓ Improved information collected in GRA (SCERS member information file).
- ✓ Achieved 15.4% investment return for calendar year 1999, 16.6% annualized return for the last 3 years and 17.5% annualized return for 5 years, net of fees and expenses.
- ✓ Completed the re-balancing of the asset allocation to the Board's new targets.
- ✓ Hired a second core domestic equity real estate manager.
- ✓ Hired two new international equity managers and one emerging markets manager to implement revised investment strategy.
- ✓ Rewrote and adopted revised proxy voting guidelines.

Acknowledgements

The compilation of this report reflects the combined effort of SCERS' staff under the leadership of the Board of Retirement. It is intended to provide complete and reliable information and reflect the Board's responsible stewardship.

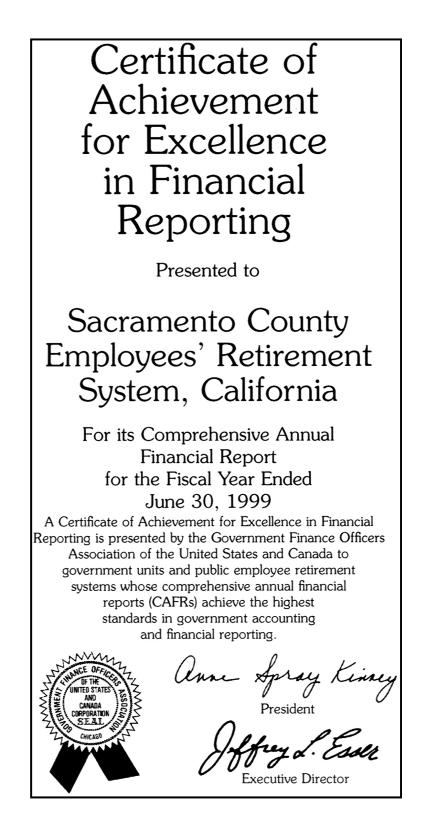
On behalf of the Board of Retirement, I take this opportunity to thank the staff and SCERS' professional advisors for their commitment to SCERS and its participants.

Copies of this report are available at SCERS, 980 9th Street, Suite 750, Sacramento, California 95814 and on the System's web site.

Respectfully submitted,

Jol. R. Pussonsp

John R. Descamp Chief Executive Officer



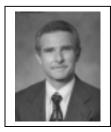
Sacramento County Employees' Retirement System Board of Retirement Members



President Jan Hoganson Elected by safety members Present term expires: December 31, 2000



Vice President Ronald Suter Elected by miscellaneous Present term expires: December 31, 2000



Ex-Officio Director of Finance Mark Norris Member mandated by law



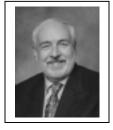
Trustee William Cox Elected by retired members Present term expires: December 31, 2001



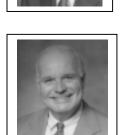
Trustee Keith DeVore Elected by miscellaneous Present term expires: December 31, 2001



Trustee James A. Diepenbrock Appointed by Board of Supervisors Present term expires: June 30, 2003



Trustee Winston Hickox Appointed by Board of Supervisors Present term expires: June 30, 2003



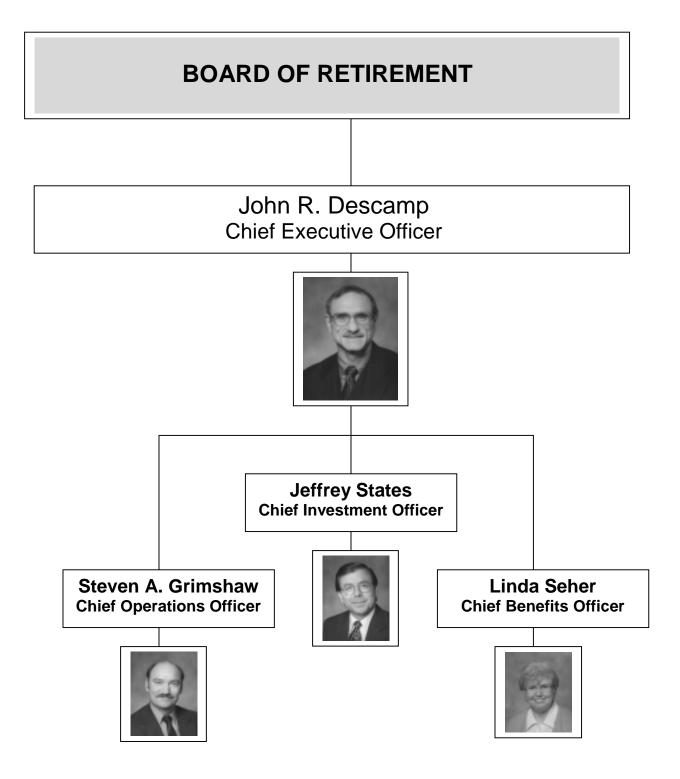
Trustee John B. Kelly Appointed by Board of Supervisors Present term expires: December 31, 2000



Trustee Robert Woods Appointed by Board of Supervisors Present term expires: June 30, 2001



Alternate Trustee James C. Crump, Jr. Elected by safety members Present term expires: December 31, 2000



| <u>Employer</u> | Date Entered System | Date of Termination |
|--|------------------------|------------------------|
| County of Sacramento | July 1, 1941 | |
| Elected Officials: Board of Supervisors Sheriff Assessor District Attorney | July 1, 1941 | |
| U.C. Davis Medical Center | July 1, 1941 | |
| Sacramento County Fire District | March 1, 1957 | |
| Sunrise Recreation and Park District | August 1, 1961 | |
| Fair Oaks Cemetery District | March 1, 1962 | |
| Carmichael Recreation and Park District | January 1, 1967 | |
| Florin Fire District | July 1, 1974 | June 30, 1996 |
| Mission Oaks Recreation and Park District | February 1, 1976 | |
| Sacramento Employment Training Agency (SETA) | June 1, 1979 | |
| Orangevale Recreation and Park District | March 3, 1987 | |
| Elk Grove Cemetery District | April 28, 1987 | |
| Galt-Arno Cemetery District | July 1, 1987 | |

Auditor

Macias, Gini & Company, LLP Certified Public Accountants 3927 Lennane Drive, Suite 200 Sacramento, CA 95834-1922

Actuary

William M. Mercer, Inc. 3 Embarcadero Center, Suite 1500 San Francisco, CA 94111

Custodian

State Street California, Inc. 1001 Marina Village Parkway, 3rd Floor Alameda, CA 94501

Legal Counsel

County of Sacramento Office of the County Counsel 700 H Street, Suite 2650 Sacramento, CA 95814

Knox, Lemmon & Anapolsky, LLP One Capitol Mall, Suite 700 Sacramento, CA 95814

Nossaman, Guthner, Knox & Elliot, LLP 50 California Street, 34th Floor San Francisco, CA 94111-4712

Investment Consultant

William M. Mercer Investment Consulting 777 South Figueroa Street, Suite 2000 Los Angeles, CA 90017

Investment Managers

Alliance Capital Management 1345 Avenue of the Americas New York, NY 10105

Independence Investment Associates 53 State Street - 28th Floor Boston, MA 02109

Nicholas-Applegate Capital Management 600 West Broadway, 29th Floor San Diego, CA 92101-5402

Oppenheimer Capital Management 1345 Avenue of the Americas New York, NY 10105

Trinity Investment Management 12835 East Arapahoe Road Englewood, CO 80112

Investment Managers – (cont.)

Deutsche Asset Management 130 Liberty Street New York, NY 10006

Capital Guardian Trust Company 1 Market Steuart Tower, Suite 1800 San Francisco, CA 94105-1409

Bank of Ireland Asset Management MGM Plaza 2425 Colorado Avenue, Suite 212 Santa Monica, CA 90404

Capital International, Inc. 11100 Santa Monica Blvd., 15th Floor Los Angeles, CA 90025

Lincoln Capital Management 200 South Wacker Drive, Suite 2100 Chicago, IL 60606

Bradford & Marzec, Inc. 333 South Hope Street, Suite 4050 Los Angeles, CA 90071

Payden & Rygel 333 South Grand Avenue, Suite 3250 Los Angeles, CA 90071

David L. Bonuccelli & Associates 818 University Avenue Sacramento, CA 95825

G.E. Capital Investment Advisors 444 Market Street San Francisco, CA 94111

PM Realty Advisors 800 Newport Center, Suite 300 Newport Beach, CA 92660

Heitman/JMB Advisors 180 North LaSalle Street Chicago, IL 60601-2886

LaSalle Advisors, Inc. 200 East Randolph Chicago, IL 60601

Lend Lease Real Estate Investments One Front Street, Suite 1100 San Francisco, CA 94111

TCW Realty Advisors 865 South Figueroa Street Los Angeles, CA 90017-2543

A schedule of manager fees is located on page 49 in the investment section.

Financial Section



Partners Kenneth A. Macias Ernest J. Gini Kevin J. O'Connell 3927 Lennane Drive Suite 200 Sacramento, CA 95834-1922

916•928•4600 916•928•2755 _{FAX} www.maciasgini.com

To the Board of Retirement of Sacramento County Employees' Retirement System Sacramento, California

INDEPENDENT AUDITOR'S REPORT

We have audited the accompanying statement of plan net assets of Sacramento County Employees' Retirement System (System) as of June 30, 2000, and the related statement of changes in plan net assets for the year then ended. These financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audit. The financial statements of the system as of June 30, 1999, were audited by other auditors whose report dated January 13, 2000, expressed an unqualified opinion on those financial statements.

We conducted our audit in accordance with generally accepted auditing standards and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the plan net assets of the System as of June 30, 2000, and the changes in plan net assets for the year then ended in conformity with generally accepted accounting principles.

In accordance with *Government Auditing Standards*, we have issued our report dated December 1, 2000, on our consideration of the System's internal controls over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts and grants. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be read in conjunction with this report in considering the results of our audit.

The required supplementary information listed in the table of contents is not a required part of the basic financial statements but is supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted primarily of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit the information and do not express an opinion on it.

Our audit was made for the purpose of forming an opinion on the basic financial statements taken as a whole. The other supplemental information in the table of contents are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

The other data included in this report, designated as the investment, actuarial and statistical sections in the table of contents, has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion on such data.

Naciary Gini & Company LLP

Certified Public Accountants Sacramento, California December 1, 2000

SACRAMENTO COUNTY EMPLOYEES' RETIREMENT SYSTEM

STATEMENTS OF PLAN NET ASSETS AS OF JUNE 30, 2000 and 1999

| • | 2000 | 1999 |
|--|-------------------------|------------------------|
| Assets | A A TA A A A | A (100.010 |
| Cash invested with Sacramento County Treasurer | \$ 672,891 | \$ 1,429,319 |
| Short-term cash investment funds | <u>137,328,285</u> | <u>133,755,106</u> |
| | | |
| Cash and short-term investments | <u>138,001,176</u> | 135,184,425 |
| Receivables | | |
| Notes | 1,366,341 | 1,280,834 |
| Securities sold | 19,941,021 | 51,088,550 |
| Accrued investment income | 16,343,910 | 20,658,623 |
| Employee and employer contributions | 3,725,330 | 1,136,529 |
| Other | 3,723,330 | |
| Other | | <u> </u> |
| Total receivables | 41,376,602 | 74,177,636 |
| Investments, at fair value | | |
| | 302,818,562 | 200,741,374 |
| United States government obligations | | |
| Domestic corporate bonds | 639,025,263 | 451,604,133 |
| International bonds | 29,653,543 | 41,342,651 |
| Common and preferred stock – domestic | 1,494,543,928 | 1,785,898,846 |
| Common and preferred stock – international | 389,468,172 | 499,802,782 |
| International equity index fund | 336,439,299 | |
| Real estate equity | 303,624,697 | 270,071,715 |
| Real estate mortgage loans | 117,734,533 | 73,267,444 |
| Securities lending collateral | <u>452,551,581</u> | <u>346, 197, 323</u> |
| Total investments | 4,065,859,578 | 3,668,926,268 |
| Total investments | 4,000,009,070 | 3,000,920,200 |
| Equipment & fixtures – (net of accumulated | | |
| depreciation of \$119,605 in 2000, \$95,396 in 1999) | 133,679 | 127,221 |
| Prepaid dental | 127,108 | 121,474 |
| · | | |
| Total assets | <u>4,245,498,143</u> | 3,878,537,024 |
| Liabilities | | |
| Accounts payable | 5,127,452 | 5,734,807 |
| Due to other governments | , , | 15,095,392 |
| Investment trades payable | 33,191,297 | 85,550,064 |
| Mortgages payable | 73,404,050 | 29,350,667 |
| Warrants payable | 1,310,907 | 1,201,837 |
| Securities lending liability | 452,551,581 | 346,197,323 |
| Securities lending liability | 402,001,001 | 340,191,323 |
| Total liabilities | <u>565,585,287</u> | 483,130,090 |
| Net assets held in trust for pension benefits | | |
| (A schedule of funding progress for the system | | |
| is presented on page 36) | <u>\$ 3,679,912,856</u> | <u>\$3,395,406,934</u> |

The notes to financial statements are an integral part of this statement.

SACRAMENTO COUNTY EMPLOYEES' RETIREMENT SYSTEM

STATEMENTS OF CHANGES IN PLAN NET ASSETS FOR THE FISCAL YEARS ENDED JUNE 30, 2000 and 1999

| | 2000 | 1999 |
|--|---------------------------|------------------------------|
| Additions | | |
| Contributions | | |
| Employer | \$ 42,023,885 | \$ 46,745,055 |
| Employee | 30,017,703 | 30,385,361 |
| Total contributions | 72,041,588 | 77,130,416 |
| Investment income From investment activities Net appreciation | | |
| in fair value of investments – securities Net appreciation / (depreciation) | 200,834,972 | 264,478,864 |
| in fair value of investments – real estate | 13,175,597 | (3,165,087) |
| Interest | 72,963,430 | 59,268,768 |
| Dividends | 24,838,429 | 26,628,152 |
| Real estate | 13,357,443 | 19,123,565 |
| Net income from investment activities | 325,169,871 | 366,334,262 |
| | | |
| From securities lending activities | 04 004 000 | 40 700 047 |
| Securities lending income | 21,221,388 | 16,768,047 |
| Securities lending expense: | (19,445,214) | (15 004 662) |
| Borrower rebate expense Security lending management fees | (19,445,214) (169,378) | (15,084,663) |
| Net income from securities lending | 1,606,796 | <u>(54,723)</u> 1,628,661 |
| Net income nom securities rending | 1,000,790 | 1,020,001 |
| Other income | 562,105 | 143,717 |
| Investment fees and expenses | <u>(11,548,986)</u> | (7,358,171) |
| Net investment income | 315,789,786 | 360,748,469 |
| Total additions | 387,831,374 | 437,878,885 |
| Deductions | | |
| Benefits paid | 89,596,727 | 80,711,354 |
| Withdrawal of contributions | 3,181,009 | 3,306,391 |
| Retiree health insurance | 5,462,582 | 4,556,806 |
| Retiree dental insurance | 1,483,069 | 1,415,938 |
| Administrative and other expenses | 3,602,065 | 3,363,183 |
| | | 0,000,100 |
| Total deductions | <u> 103,325,452</u> | 93,353,672 |
| Net increase | 284,505,922 | 344,525,213 |
| Net assets held in trust for pension benefits, beginning | 3,395,406,934 | 3,050,881,721 |
| Net assets held in trust for pension benefits, ending | <u>\$3,679,912,856</u> | <u>\$ 3,395,406,934</u> |

The notes to financial statements are an integral part of this statement.

NOTE 1 - PLAN DESCRIPTION

The Sacramento County Employees' Retirement System (System) is the administrator of a multiple employer cost sharing public employee retirement system (PERS) which operates under the County Employees' Retirement Law of 1937. The System was created by resolution of the Board of Supervisors on July 1, 1941, to provide retirement, disability, and death benefits for qualified employees of Sacramento County and participating special districts. A nine member Board of Retirement manages the System.

At June 30, 2000, participating local government employers consisted of the County of Sacramento and 11 special districts.

The membership consists of the following categories:

- Safety First Tier includes employees whose principal duties consist of law enforcement or fire suppression work or who occupy positions designated by law as safety positions who have a membership date prior to June 25, 1995.
- Safety Second Tier includes employees whose principal duties consist of law enforcement or fire suppression work or who occupy positions designated by law as safety positions who have a membership date on or after June 25, 1995.
- Miscellaneous First Tier includes all members other than safety who have a membership date prior to September 27, 1981.
- Miscellaneous Second Tier includes all members other than safety who have a membership date on or after September 27, 1981 and prior to June 27, 1993 who elected not to become members of miscellaneous third tier.
- Miscellaneous Third Tier includes all members other than safety who have a membership date on or after June 27, 1993 and those miscellaneous second tier members who elected to become members of this class.

Membership and contribution data is based on the July 1, 2000 and 1999 actuarial reports. At June 30, the System's membership consisted of:

| | <u>2000</u> | <u>1999</u> |
|--|--|---|
| Retirees and beneficiaries currently receiving benefit | ts: | |
| Miscellaneous – Service Miscellaneous – Beneficiary Disability Miscellaneous – Ordinary Disability Miscellaneous – Duty Safety – Service Safety - Beneficiary Disability Safety - Ordinary Disability Safety - Duty | 3,381 726 326 178 556 150 20 <u>151</u> | 3,271 686 324 175 540 137 24 146 |
| Total Retired | <u>5,488</u> | 5,303 |
| Terminated employees entitled to benefits but not yet receiving them: | <u>1,828</u> | <u> 1,739</u> |
| Current Members: | | |
| Vested Miscellaneous Tier 1 Miscellaneous Tier 2 Miscellaneous Tier 3 Safety Tier 1 Safety Tier 2 | 1,487 500 4,187 1,115 252 | 1,623 520 4,014 1,097 <u>264</u> |
| Subtotal | 7,541 | 7,518 |
| Non-vested Miscellaneous Tier 1 Miscellaneous Tier 2 Miscellaneous Tier 3 Safety Tier 1 Safety Tier 2 | 6 5 4,032 47 <u>604</u> | 4 17 3,172 123 520 |
| Subtotal | 4,694 | 5,836 |
| Total Current Members | <u>12,235</u> | <u>11,354</u> |

Pension Benefits

The System's benefits are established by statutes and provide for retirement, death and disability benefits. All permanent full-time or part-time employees of the County or member

districts are eligible to participate in the System. Upon reaching five years of service, participants have earned the right to receive a retirement benefit, subject to certain restrictions if retirement is prior to attaining age 50 or if less than 10 years service has been achieved. Retirement benefits for each tier are as follows:

1) Members covered under Safety Tier 1, who retire at age 50 are entitled to a retirement benefit, payable monthly for life, equal to 2 percent of their final-average salary for each year of credited service. This benefit includes a cost-of-living adjustment of up to 4 percent annually. Final-average salary is the member's average salary for the highest twelve consecutive months of credited service.

2) Members covered under Safety Tier 2, who retire at age 50 are entitled to a retirement benefit, payable monthly for life, equal to 2 percent of their final-average salary for each year of credited service. This benefit includes a cost-of-living adjustment of up to 2 percent annually. Final-average salary is the member's average salary for the highest thirty-six consecutive months of credited service.

3) Members covered under Miscellaneous Tier 1, who retire at age 50 are entitled to a retirement benefit, payable monthly for life, which is equal to 1.1 percent of their final-average salary for each year of credited service. It includes a cost of living adjustment of up to 4 percent annually. Final-average salary is the member's average salary for the highest twelve consecutive months of credited service.

4) Members covered under Miscellaneous Tier 2, who retire at age 50 are entitled to a retirement benefit, payable monthly for life, equal to 1.1 percent of their final-average salary for each year of credited service. There is no cost of living adjustment. Final-average salary is the member's average salary for the highest thirty-six consecutive months of credited service.

5) Members covered under Miscellaneous Tier 3, who retire at age 50 are entitled to a retirement benefit, payable monthly for life, equal to 1.1 percent of their final-average salary for each year of credited service. It includes a cost of living adjustment of up to 2 percent annually. Final-average salary is the member's average salary for the highest thirty-six consecutive months of credited service.

The retirement benefit of Safety Tier 1 and 2 and Miscellaneous Tier 1, 2 and 3 members who retire after age 50 is increased by an age factor.

Member Termination

Upon separation from the System, members' accumulated contributions are refundable with interest accrued through the prior June 30, or December 31. Interest on member accounts is credited semiannually on June 30, and December 31. Withdrawal of such accumulated contributions results in forfeiture of the related vested benefits.

Financing

Benefits payable by the System are financed through contributions of members, the County of Sacramento or member districts as employers, and earnings from investments. Member contributions are required by law. Contribution rates, which are actuarially determined, are based on age at entry into the System (a single rate is used for members entering the System after January 1, 1975). County and member districts contributions are actuarially determined to provide for the balance of contributions needed. This rate includes an additional amount required to partially fund the annual cost of living increases for retired members of the Miscellaneous Tier 1, Tier 3 and Safety categories. All contribution rates are reviewed and revised annually. The authority for both benefit provisions and contribution obligations is derived from the County Employees' Retirement Act of 1937, Section 31450 et seq. of the California Government Code.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND PLAN ASSET MATTERS

Basis of Accounting

The System has adopted GASB Statement 25 as its source of accounting and reporting principles and prepares its financial statements on the accrual basis. GASB Statement 25 requires that investments be valued at their fair value, which results in the recognition of fair value gains and losses when they occur. Member and employer contributions are recognized as revenues in the period in which member services are performed. Expenses are recorded when the corresponding liabilities are incurred, regardless of when payment is made. Investment purchases and sales are recorded on the trade date.

Fixed Assets

Equipment and fixtures are generally stated at historical cost. Depreciation is provided for fixed assets using the straight-line method over a useful life of five, eight or ten years. Costs of assets sold or retired (and the related amount of accumulated depreciation for assets) are removed from the accounts in the year of sale or retirement. Any resulting gain or loss is included in the operating statement of the System.

Valuation of Investments

Quoted market prices are used to report investments. The fair value of the real estate trust holdings has been determined using industry standard appraisal techniques and assumptions. The trust managers using appraisals, which are updated annually, determine the fair value of these trusts. Real estate mortgage loans have been reported at fair value. Cash deposited in

the Sacramento County Treasurer's pool is stated at fair value. The value of the System's pool shares is determined on an amortized cost basis, which may be different than fair value.

Short Term Investments

Short-term investments are highly liquid investments, which are expected to be utilized by the System within 30-90 days. These investments may include securities, which have a maturity in excess of 90 days but are readily marketable. They are reported at fair value.

Real Estate Mortgage Loans

Real estate mortgage loans are stated at remaining principal balance, less discounts, and are collateralized by deeds of trust on real property. Real estate mortgage loans are administered and serviced internally, with a small portion serviced by a company independent of the System.

Reclassifications

Certain 1999 amounts have been reclassified to conform to current year presentation.

NOTE 3 - CASH AND INVESTMENTS

The System has deposits in various cash and investment pools. The Sacramento County Treasurer manages the primary cash and investment pool. The System's share of the Treasurer's cash and investment pool is separately accounted for and interest earned, net of related expenses, is apportioned quarterly based on the relationship of its average daily cash balance to the total of the pooled cash and investments.

Interest earned but not received from the County at year-end is reported as a component of interest and dividends receivable on the balance sheet. Cash included within the Sacramento County Treasurer's cash and investment pool is described in the County's Comprehensive Annual Financial Report.

State statutes permit the System to participate in securities lending transactions, and the System has, pursuant to a Securities Lending Authorization Agreement, authorized State Street Bank and Trust Company ("State Street") to act as agent in lending the System's securities to broker-dealers and banks pursuant to a form of loan agreement.

During the fiscal year, State Street lent, on behalf of the System, certain securities held by State Street as custodian and received, as collateral, United States and foreign currency cash, securities issued or guaranteed by the United States government, sovereign debt of foreign countries and irrevocable bank letters of credit. State Street did not have the ability to pledge or sell collateral securities absent borrower default. Borrowers were required to deliver collateral for each loan equal to not less than 102% and 105% of the fair value of the loaned domestic and international securities, respectively. In accordance with GASB 28, securities lending

collateral reported in the Statement of Plan Net Assets represents only cash collateral invested in the lending agent's cash collateral investment pool.

The System did not impose any restrictions during the fiscal year on the amount of the loans that State Street made on its behalf. There were no failures by any borrowers to return loaned securities or pay distributions thereon during the fiscal year. Moreover, there were no losses during the fiscal year resulting from default of the borrowers or State Street.

During the fiscal years ended June 30, 2000 and 1999, the System and the borrowers maintained the right to terminate all securities lending transactions on demand. The cash collateral received on each loan was invested, together with the cash collateral of other qualified tax-exempt plan lenders, in a collective investment pool. For the fiscal years ended June 30, 2000 and 1999, the collective investment pool had an average duration of 74 days and 76 days, respectively. At June 30, 2000 and 1999, the collective investment pool had an average weighted maturity of 485 days and 416 days, respectively. Because the loans were terminable at will, the maturities of the securities on loan did not generally match the maturities of the investments made with cash collateral. At year end, the System has no credit risk exposure to borrowers as the amounts the System owes the borrowers exceed the amounts the borrowers owe the System. Furthermore, the lending agreement with the custodian requires the custodian to indemnify the System if the borrower fails to return the securities. The collateral held and the fair value of securities on loan for the System as of June 30, 2000 were \$452,551,581 and \$442,914,503. The collateral held and the fair value of securities on loan \$339,453,072, respectively.

Additional information regarding the cash collateral investment pool (the Fund) follows:

a. <u>Method for Determining Fair Value.</u> The fair value of investments held by the Fund is based upon valuations provided by a recognized pricing service.

b. <u>Policy for Utilizing Amortized Cost Method.</u> Because the Fund does not meet the requirements of Rule 2a-7 of the Investment Company Act of 1940, State Street has valued the Fund's investments at fair value for reporting purposes.

c. <u>Regulatory Oversight.</u> The Fund is not registered with the Securities and Exchange Commission. State Street, and consequently the investment vehicles it sponsors (including the Fund), are subject to the oversight of the Federal Reserve Board and the Massachusetts Commissioner of Banks. The fair value of the Systems position in the Fund is not the same as the value of the Fund shares.

Cash collateral and related securities on loan at June 30, 2000 and 1999, were as follows:

| | 20 | 000 |
|----------------------------|----------------------|----------------------|
| | Cash Collateral | Fair Values of |
| Security Description | Value | Securities on Loan |
| U.S. Government and Agency | \$304,596,881 | \$299,489,182 |
| Domestic Equity | 99,091,408 | 96,212,088 |
| Domestic Fixed Income | 6,209,130 | 6,087,208 |
| International Equity | 42,654,162 | 41,126,025 |
| Totals | <u>\$452,551,581</u> | <u>\$442,914,503</u> |

| | 1999 | | |
|----------------------------|----------------------|----------------------|--|
| | Cash Collateral | Fair Values of | |
| Security Description | Value | Securities on Loan | |
| U.S. Government and Agency | \$196,301,016 | \$193,252,135 | |
| Domestic Equity | 105,390,609 | 103,755,195 | |
| Domestic Fixed Income | 4,236,870 | 4,144,934 | |
| International Equity | 38,985,399 | 37,077,682 | |
| International fixed Income | 1,283,429 | 1,223,126 | |
| Totals | <u>\$346,197,323</u> | <u>\$339,453,072</u> | |

Cash and Cash Equivalents

At June 30, 2000 and 1999, the fair value of the System's cash and cash equivalents were \$137,328,285 and \$133,755,106, respectively. The total cash and cash equivalents consisted of investments in the State Street Short-Term Investment Fund (STIF) and cash with foreign banks which are included within the category "Short-term cash investment funds" on the Statement of Plan Net Assets. The STIF is designed to provide qualified benefit plans with a readily accessible investment vehicle that may be accessed on a daily basis. The STIF pool is limited to investing in securities that are rated A-1 by Moody's Investors Services and P-1 by Standard & Poor's Corporation at the time of issuance. Most investments range in maturity from overnight to 90 days with up to 20% of the Fund's value eligible for investment between 90 days and 13 months. The average maturity was 70 days at June 30, 2000, and net assets invested with STIF from all participating custodial clients of State Street were \$27.4 billion on that date.

Categories of Investment Risk

The investments of the System are governed primarily by an investment authority known as the "prudent person rule". The prudent person rule, as set forth in Section 31595 of the California Government Code, establishes a standard for all fiduciaries, which includes anyone that has authority with respect to the System. The System's investments are categorized to give an indication of the level of risk assumed by the System at year-end.

Generally accepted accounting principles define three levels of credit risk for securities:

- 1) Securities that are insured or registered, or for which the securities are held by the System or its agent in the System's name.
- 2) Securities that are uninsured and unregistered and are held by the counterparty's trust department or agent in the System's name.
- 3) Securities that are uninsured and unregistered and held by the counterparty, or by its trust department or agent, but not in the System's name.

In accordance with GASB Statement No. 3 disclosure requirements, securities on loan, securities lending collateral, cash held in the County Treasurer's investment pool, international equity index fund investments, real estate mortgage loans and real estate equity investments are not categorized.

For financial reporting purposes, the System's investments are categorized below to provide an indication of the level of custodial credit risk assumed by the System at June 30, 2000 and 1999.

| | June 30, 2000 | | |
|---|---------------------------|---|--|
| | Category 1 Fair Value | | |
| Investments | | | |
| Common stock – domestic | \$1,398,331,840 | \$1,398,331,840 | |
| Common stock – international | 348,342,147 | 348,342,147 | |
| Domestic bonds | 636,267,435 | 636,267,435 | |
| International bonds | 29,653,543 | 29,653,543 | |
| Total investments | 2,412,594,965 | 2,412,594,965 | |
| Investments not considered securities for the purposes of custodial risk classification: Cash held in county investment pool Short-term investments with fiscal agents International equity index fund Real estate mortgage loans Real estate equity investments Securities lending collateral Securities on loan, collateralized with cash | | 672,891 137,328,285 336,439,299 117,734,533 303,624,697 452,551,581 442,914,503 | |
| Total deposits and investments | | <u>\$4,203,860,754</u> | |
| Reconciliation of domestic bonds: United States Government Obligations Domestic Corporate Bonds Total | | \$ | |
| Short-term cash investment funds as shown on | the Statement of Plan Net | Assets are as follows: | |
| Cash invested in State Street STIF account | | \$ 135,387,674 | |

| Cash invested in State Street STIF account | Ф | 135,387,674 |
|--|-----------|-------------|
| Cash with Foreign Banks | | 1,940,611 |
| Short-term cash investment funds | <u>\$</u> | 137,328,285 |

| | June 30, 1999 | | | |
|--|---|---|--|--|
| | Category 1 | Fair Value | | |
| Investments Common stock – domestic Common stock – international Domestic bonds International bonds Total investments | \$1,682,143,651 462,725,100 454,948,438 <u>40,119,525</u> 2,639,936,714 | \$1,682,143,651 462,725,100 454,948,438 <u>40,119,525</u> 2,639,936,714 | | |
| Investments not considered securities for the purposes of custodial risk classification: | <u></u> | | | |
| Cash held in county investment pool Short-term investments with fiscal agents Real estate mortgage loans Real estate equity investments | | 1,429,319 133,755,106 73,267,444 270,071,715 | | |
| Securities lending collateral Securities on loan, collateralized with cash | | 346,197,323 <u>339,453,072</u> | | |
| Total deposits and investments | | <u>\$3,804,110,693</u> | | |
| Reconciliation of domestic bonds: United States Government Obligations Domestic Corporate Bonds Total | | \$ 7,489,239 <u> 447,459,199</u> <u>\$ 454,948,438</u> | | |
| Short-term cash investment funds as shown on the Statement of Plan Net Assets are as follows: | | | | |
| Cash invested in State Street STIF account | t | \$ 130,083,050 | | |
| Cash with Foreign Banks | | 3,672,056 | | |

Short-term cash investment funds

For the fiscal years ended June 30, 2000 and 1999, there were no violations of State statutes or System policy in pooled investments.

<u>\$ 133,755,106</u>

Except for real estate mortgage loans, real estate and cash invested with the Sacramento County Treasurer, the System's cash and investments are held by a custodial bank. There are no investments that represent 5 percent or more of the System's net assets.

<u>Derivatives</u>

The System, through its external investment managers, holds investments in certain floating rate notes. At June 30, 2000, the System's investment in these instruments totaled \$13,921,000.

NOTE 4 - FIXED ASSETS

A summary of fixed assets transactions for the years ended June 30, 2000 and 1999, follows:

| | <u>Equipment</u> |
|--------------------------------|-------------------|
| Balance, July 1, 1998 | \$ 222,617 |
| Additions | - |
| Retirements | |
| | 222,617 |
| Less: accumulated depreciation | <u>(95,396)</u> |
| Balance, June 30, 1999 | <u>\$ 127,221</u> |
| | |
| Balance, July 1, 1999 | \$ 222,617 |
| Additions | 30,667 |
| Retirements | <u> </u> |
| | 253,284 |
| Less: accumulated depreciation | <u>(119,605)</u> |
| Balance, June 30, 2000 | <u>\$ 133,679</u> |
| | |

NOTE 5 - CONTRIBUTIONS REQUIRED AND CONTRIBUTIONS MADE

The obligation to contribute to the plan is pursuant to Section 31584 of the County Employees' Retirement Law of 1937. The System's funding policy provides for periodic contributions at actuarially determined rates that, expressed as percentages of annual covered payroll, are sufficient to accumulate adequate assets to pay benefits when due. Members of the System are required to contribute between 2.89% and 11.77% of their annual covered salary. Each employer of the System is obligated by state law to make all required contributions to the plan, these rates range from 3.24% to 28.01% of covered payroll. The required contributions include current service cost, and amortization of prior service cost over an initial amortization period of 30 years. There is currently 22 years remaining in the amortization period of prior service cost.

Level percentage of payroll employer contribution rates are determined using the entry age normal funding method. The System also uses this actuarial method to amortize the unfunded liability, if applicable.

Contributions for the year ending June 30, 2000 and 1999 totaled \$72,041,588 and \$77,130,416, respectively. Included in this total are employer contributions of \$42,023,885 and 46,745,055, and member contributions of \$30,017,703 and \$30,385,361, in 2000 and 1999, respectively, which were made in accordance with actuarially determined contribution requirements based on an actuarial valuation performed at July 1, 1998 and July 1, 1997, respectively.

NOTE 6 – RESERVES

Member and employer contributions are allocated to various legally required reserve accounts based on actuarial determinations. County, member, and retirement allowance reserves are fully funded.

Descriptions of the purpose for each reserve and designated accounts are provided below.

The reserve for employee contributions includes:

- contributions from plan members,
- contributions from terminated members,
- a cost-of-living provision,
- contributions representing members who have bought back prior years' service credits for prior service in certain public agencies,
- contributions made by former employees who have not yet applied for their retirement benefits.

The reserve for employer contributions includes:

- employer contributions to the System for active members,
- a cost-of-living provision.

The reserve for retirees includes:

- amounts transferred from member contributions (annuity),
- amounts transferred from employer contributions (pension) made in prior years for active members upon retirement,
- a cost-of-living provision.

The retiree death benefit reserve includes excess earnings of the System allocated to provide a burial allowance to retirees.

The 401h reserve includes transfers made by the System from excess earnings to fund a health and dental subsidy for retirees.

The *Net Assets Available for Benefits* statement located on page 32 provides a detailed reconciliation of ending reserve balances.

NET ASSETS AVAILABLE FOR BENEFITS AS OF JUNE 30,

| | | 1999 |
|---|-------------------------|---------------------------|
| | | (Restated |
| | 2000 | see page 33) |
| Employee reserves, July 1 | \$ 362,074,223 | |
| Contributions | 30,017,703 | 30,385,361 |
| Withdrawal | (3,181,009) | (3,306,391) |
| Transfers | (25,391,423) | (22,790,170) |
| Interest crediting | 28,594,018 | 26,162,781 |
| Employee reserves, June 30 | 392,113,512 | 362,074,223 |
| Employer reserves, July 1 | 1,289,944,499 | 1,218,890,653 |
| Contributions | 42,023,885 | 46,745,055 |
| Benefits paid | (278,472) | |
| Transfers | (97,873,353) | (73,422,426) |
| Transfers to offset future employee contributions | 5,136,509 | |
| Transfers to offset future employer contributions | 71,100,000 | |
| Transfer for employee COLA supplement | 101 005 001 | 7,600,000 |
| Interest crediting | 101,095,994 | 90,131,217 |
| Employer reserves, June 30 | 1,411,149,062 | 1,289,944,499 |
| Retiree reserves, July 1 | 1,052,758,241 | 959,229,922 |
| Benefits paid | (89,025,255) | (80,616,354) |
| Transfers | 123,264,776 | 96,212,596 |
| Interest crediting | 87,136,800 | 77,932,077 |
| Retiree reserves, June 30 | 1,174,134,562 | 1,052,758,241 |
| Retiree death benefit reserves, July 1 | 5,585,829 | 2,093,040 |
| Benefits paid | (293,000) | (95,000) |
| Transfer to increase burial allowance to \$2,000 | | 3,191,169 |
| Transfer to increase burial allowance to \$4,000 | 5,600,000 | |
| Interest crediting | 663,806 | 396,620 |
| Retiree death benefit reserves, June 30 | 11,556,635 | 5,585,829 |
| 401 h reserve, July 1 | 7,251,000 | 7,976,000 |
| County advance funding for subsequent years | 9,015,019 | 4,992,637 |
| Retiree health insurance | (5,462,582) | (4,556,806) |
| Retiree dental insurance | (1,483,069) | (1,415,938) |
| Interest crediting | 194,632 | 255,107 |
| 401 h reserve, June 30 | 9,515,000 | 7,251,000 |
| Contingency reserves, July 1 | 218,213,124 | 62,342,455 |
| Addition to provide a 2.5% reserve | | 15,585,614 |
| Addition to maintain 2.5% reserve | 9,174,028 | 19,035,357 |
| Addition to provide for litigation or legislation liabilities | | 121,249,698 |
| Contingency reserves, June 30 | 227,387,152 | <u>218,213,124</u> |
| Total reserved | 3,225,855,923 | 2,935,826,916 |
| Amount in excess of reserved benefits & contingencies | 454,056,933 | 459,580,018 |
| Net assets available for benefits, at fair value | <u>\$ 3,679,912,856</u> | <u>\$ 3,395,406,934</u> |

NOTE 7 – RECLASSIFICATION OF: BEGINNING RESERVE BALANCES

Certain employer reserve balances at June 30, 1999 were reclassified to reflect transfers recommended by the actuary and approved by the Board but not reported by the System. In addition, retiree reserve balances at July 1, 1998 were reclassified to properly reflect the transfer of cost of living reserves.

NOTE 8 - OTHER BENEFITS

In addition to providing pension benefits, the System provides certain health care and dental insurance subsidies for retired members. These benefits are provided under provisions of Internal Revenue Code Section 401 (h) that allows for the System to fund a health benefit out of excess earnings of the fund. Members are eligible for these benefits upon retirement and after meeting the minimum qualifications. This is not a vested benefit and is subject to the availability of excess earnings from the System. The cost of the retiree health care and dental insurance subsidy is recognized as an expense of the System in the year the benefit is paid. For the years ended June 30, 2000 and 1999 those costs were \$5,462,582 and \$4,556,806 for health insurance and \$1,483,069 and \$1,415,938 for dental insurance for a total of \$6,945,651 and \$5,972,744, respectively.

NOTE 9 - SYSTEM EMPLOYEES RETIREMENT PLAN

The System has 26 permanent employees including the chief executive officer. These employees are considered County employees for hiring, benefit and salary purposes. All of these employees are members of the System.

NOTE 10 - PLAN TERMINATION

The System is administered in accordance with the provisions of California Government Code Section 31450 et seq. California Government Code Section 31483 allows the governing body of the County or special district, through the adoption of an ordinance or resolution, to terminate the applicability of the plan to employees of the County or district whose services commence after a given future date.

NOTE 11 – LEASE OBLIGATIONS

A commitment under an operating lease agreement for office facilities provides for minimum future rental payments as of June 30, 2000, as follows:

| Year ending June 30: | |
|-------------------------|-----------------------------|
| 2001 2002 | \$178,817 <u>134,113</u> |
| Total minimum rentals | <u>\$312,930</u> |

Rental expenditures during fiscal year ended June 30, 2000 and 1999 were \$160,543 and \$124,267, respectively.

NOTE 12 – CONTINGENCY TRANSFERS

The contingency reserve was established, pursuant to California Government Code Section 31592.2 at a minimum of 1% of the total assets of the Fund. It was created to serve as a reserve against deficiencies in interest earnings in other years, losses on investments and other contingencies. The Board elected to augment the contingency reserves by \$121,249,698 to provide for liabilities arising out of anticipated litigation or legislation. In addition, based upon the Retirement Board's decision on December 10, 1999, an increase in the allocation of \$9,174,028 was made to the contingency reserve to maintain the balance at 2.5% of total assets. At June 30, 2000 and 1999, the contingency reserves were \$227,387,152 and \$218,213,124, respectively.

NOTE 13 – CONTINGENCIES

<u>Litigation</u> – SCERS, as well as other 1937 Retirement Act Systems (the Act), are being challenged in court cases regarding the August 14, 1997, California Supreme Court decision in the Ventura County Deputy Sheriff's Association v. the (Ventura) Board of Retirement. This suit changed a previously accepted construction of the statutory framework governing the compensation subject to inclusion in the calculation of pensions under the Act. Under this change, nearly all cash remuneration received is included in the computation of final compensation. The issue of retroactivity has not yet been decided and is under discussion with SCERS' attorneys and with attorneys representing the various plaintiffs. A new hearing has been scheduled for July 1, 2001.

SCERS, its attorneys, or actuaries have not yet determined the final impact of the Ventura decision. However, it is possible that the Ventura decision will cause a material unfunded liability.

REQUIRED SUPPLEMENTARY INFORMATION

SACRAMENTO COUNTY EMPLOYEES' RETIREMENT SYSTEM REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED) FOR THE FISCAL YEARS ENDED JUNE 30, 2000 and 1999

FUNDING PROGRESS

Six-year schedule of funding progress about the System is presented herewith as required supplementary information. This information is intended to help users assess the System's funding status on a going-concern basis, assess progress made in accumulating assets to pay benefits when due, and make comparisons with other public employee retirement systems.

Schedule I - Schedule of funding progress: (in thousands)

| | | <u></u> | | | | Unfunded/ (Over funded) |
|---------------|-------------|-------------------|---------------|--------------|------------|----------------------------|
| Actuarial | Actuarial | Actuarial Accrued | Unfunded/ | | Annual | AAL as a |
| Valuation | Value of | Liability (AAL) | (Over funded) | Funded | Covered | Percentage of |
| Date | Assets | Entry Age | AAL | Ratio | Payroll | Covered Payroll |
| <u>July 1</u> | <u>(a)</u> | <u>(b)</u> | <u>(b-a)</u> | <u>(a/b)</u> | <u>(c)</u> | <u>((b-a)/c)</u> |
| 1995 * | \$1,767,064 | \$1,835,864 | \$68,800 | 96.25% | \$405,284 | 17.0% |
| 1996 | 1,956,715 | 1,987,230 | 30,515 | 98.46 | 417,603 | 7.3 |
| 1997 | 2,238,557 | 2,226,440 | (12,117) | 100.54 | 419,467 | (2.9) |
| 1998 | 2,600,547 | 2,409,642 | (190,905) | 107.92 | 470,385 | (40.6) |
| 1999 | 3,017,639 | 2,734,548 | (283,091) | 110.35 | 502,325 | (56.4) |
| 2000 | 3,427,348 | 3,111,760 | (315,588) | 110.10 | 559,047 | (56.5) |

* These totals include the effect of Pension Obligation Bond funding.

Schedule II - Schedule of employer contributions:

| Year Ended June 30 | Annual Required <u>Contribution</u> | Percentage Contributed |
|--------------------------|---|---------------------------|
| 1995 | \$48,626,035 | 100.0% |
| 1996 | 35,643,177 | 100.0 |
| 1997 | 44,760,183 | 100.0 |
| 1998 | 43,108,885 | 100.0 |
| 1999 | 46,745,055 | 100.0 |
| 2000 | 42,023,885 | 100.0 |

SACRAMENTO COUNTY EMPLOYEES' RETIREMENT SYSTEM REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED) (Continued) FOR THE FISCAL YEARS ENDED JUNE 30, 2000 and 1999

Schedule III - Significant actuarial assumptions:

The following significant actuarial assumptions presented in the required supplementary schedules were determined as part of the actuarial valuation dated July 1, 2000. Additional information used in this actuarial valuation is as follows:

| Actuarial cost method: | Entry age normal |
|--|--------------------------|
| Amortization method: | Level percent open |
| Remaining amortization period: | 22 years |
| Asset valuation method: | 5-year smooth fair value |
| <u>Actuarial assumptions:</u> Investment rate of return Projected salary increases * | 8.00% 5.55 |

* Includes inflation @ 4.25% and merit & longevity adjustment of 1.3%.

Assumed post retirement benefit increase:

| Miscellaneous Tier 1 | 4.00% |
|----------------------|-------|
| Miscellaneous Tier 2 | 0.00 |
| Miscellaneous Tier 3 | 2.00 |
| Safety Tier 1 | 4.00 |
| Safety Tier 2 | 2.00 |
| | |

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OTHER SUPPLEMENTAL INFORMATION

SACRAMENTO COUNTY EMPLOYEES' RETIREMENT SYSTEM OTHER SUPPLEMENTAL INFORMATION FOR THE FISCAL YEARS ENDED JUNE 30, 2000 and 1999

Schedule I – Administrative expenses:

| Type of expense | <u>2000</u> | <u>1999</u> |
|---|--|---|
| Salaries and benefits Professional fees Equipment purchases and maintenance Rent and lease expense Other administrative expenses Total administrative expenses | \$ 1,464,159 634,020 155,414 170,880 <u>1,177,592</u> <u>\$ 3,602,065</u> | \$ 1,418,423 753,372 110,426 155,031 <u>925,931</u> <u>\$ 3,363,183</u> |
| Schedule II – Investment fees and expenses: | | |
| Type of investment expense | <u>2000</u> | <u>1999</u> |
| Domestic equity managers International equity managers Bond managers Real estate managers Custodian fees Actuarial fees Investment consulting fees Other professional fees Total investment fees and expenses | \$ 3,611,814 3,182,564 2,052,697 1,591,517 889,144 43,793 177,457 <u>0</u> <u>\$11,548,986</u> | 2,650,597 1,076,442 1,010,946 1,190,109 965,317 60,000 125,000 279,760 57,358,171 |
| Schedule III – Payments to consultants: | | |
| Type of consulting expense | <u>2000</u> | <u>1999</u> |
| William M. Mercer: | | |
| Actuarial fees Investment consulting fees Total consulting fees | \$ 43,793 <u>177,457</u> <u>\$ 221,250</u> | \$ 60,000 <u> 125,000</u> <u>\$ 185,000</u> |

Investment Section

Sacramento County Employees' Retirement System

Chief Investment Officer's Report on Investment Activity



December 13, 2000

Dear Members of the Board,

Introduction

SCERS total fund return for the twelve-month period ending June 30, 2000 was 9.6% net of manager fees. This return is above the actuarial assumed rate of return of 8.0%. The one-year return benefited from the strong returns of the international equity asset class return of 17.8% and the 64.3% return of small cap domestic equity. All asset classes had positive returns for the one-year period. On a peer comparison this placed SCERS in the 47th percentile of all public funds compared to the TUCS Public Fund Universe. William Mercer Investment Consulting, Inc. utilizing information provided by SCERS custodian bank and investment managers prepares the investment returns. Return calculations were prepared using a time-weighted rate of return based on the fair rate of return in accordance with AIMR performance presentation standards with exception of the Bonuccelli mortgage portfolio. Returns for the mortgage portfolio only reflect the income earned from the investment since the holdings are not marked-to-market.

General Information

SCERS uses external investment managers to invest its assets. As of June 30, 2000 there are a total of fourteen investment managers investing fifteen separate portfolios. SCERS has one investment in an international equity emerging markets commingled fund managed by Capital International. In addition, nine investments are held in commingled real estate funds. A list of the managers and commingled trust funds is on the following page. SCERS also hires professional investment consultants and legal counsel that along with investment and accounting staff, closely monitor the activity of the managers and assist the Board in developing and implementing investment policy.

During the past year SCERS has proceeded to implement the changes to the asset allocation adopted in June of 1999. Two investment manager searches were completed in the fall of 1999 for international equity managers for the developed and emerging markets. As a result of the searches two investment managers were hired to investment money in portfolios with EAFE mandates and an investment was made in a commingled emerging markets growth fund. A second core equity real estate manager was hired in the spring of 2000 after a manager search. In addition to the investment manager hires the investment portfolios were re-balanced to bring the asset allocation in line with the investment policy target allocations.

SCERS Investment Objectives

SCERS investment objectives as set forth in the Board's Investment Policy and Objectives, adopted on June 24, 1999 are:

1. Provide for Present and Future Benefit Payments - The overall objective of SCERS is to invest pension assets, solely in the interest of providing benefits to the participants and their beneficiaries, while attempting to minimize the employer contributions and defraying the administrative costs. The investment of contributions and other fund assets in accordance with the investment policy described herein will accomplish this and maintain adequate funding of SCERS' liabilities over time.

The goal of the Board is to design an investment portfolio that will achieve and exceed the annualized actuarial assumed rate of 8% over a market cycle of three to five years. The Board strives to achieve this level of return with a high level of certainty and with an acceptable level of risk.

2. Make Prudent Investments - With care, skill, prudence and diligence the Board will strive to produce an investment return based on levels of liquidity and investment risk that are prudent and reasonable under present circumstances. Such circumstances may change over time.

3. Diversify the Assets - The Board will diversify the investments of the Fund to maximize the investment return with acceptable investment risk.

4. Create Reasonable Pension Investments Relative to Other Pension Funds - The pension investment program must operate in compliance with all applicable State and Federal laws and regulations concerning the investment of pension assets. SCERS judges its selection of investment vehicles and policies against other private and public pension funds, with special emphasis on comparisons with public funds.

5. Establish Policy and Objective Review Process - Annually, SCERS will conduct a formal review of its Investment Policy and Objectives and will develop an updated financial projection at least every five years.

Summary of Proxy Voting Guidelines and Procedures

As a fiduciary SCERS Board has an obligation to manage the retirement system's assets in the best interest of the plan participants. The Board has established a Proxy Voting & Corporate Governance Policy. This policy provides guidance to the Chief Investment Officer for voting proxies and acting on corporate action issues such as mergers. For the fiscal year ending June 30, 2000 all proxies that were received were voted in accordance with the Board's policy with the assistance of research and analysis provided by The Proxy Monitor.

Summary of Asset Allocation

The Board develops the strategic asset allocation with the assistance of an external investment consultant. The investment consultant is Thomas Lightvoet, Mercer Investment consulting, Inc. The intent of the asset allocation policy is to ensure that investments are diversified in a manner that achieves the desired rate of investment return with an acceptable investment risk. The actual and policy allocation for each asset class is shown in the pie chart on the following page. The actual allocation of the investments by investment manager also is included. The capital

market assumptions adopted along with the asset allocation give SCERS an expected 8.55% annualized total rate of return over the next ten years with a standard deviation of returns of 11.71%.

Summary of Investment Results

The returns for the capital markets and SCERS major benchmark indices are shown on the following page. For the twelve-month period ending June 30, 2000 the domestic equity market benchmark Russell 3000 index return is 9.6%, the Lehman Aggregate bond index return is 4.6% and the Morgan Stanley Capital Markets International Europe, Australia, Far East (MSCI EAFE) index return is 17.2%. The NCREIF real estate benchmark return is 12.6% for the fiscal year. SCERS total return net of manager fees for the fiscal year is 9.6%. For the last five years the annualized rate of return for the fund is 15.2%.

Beginning in this fiscal year the investment policy divides domestic equity investments into two asset classes, large capitalization (large cap) managers and small capitalization (small cap) investments. The investment return of each asset class is compared to a specified equity market benchmark index. The benchmark for large cap is the Russell 1000 index and the benchmark for small cap is the Russell 2000 index. The large cap equity investment return of 3.8% trailed the Russell 1000 index return of 9.2% by 5.4%. The small cap equity investment return of 64.3% exceeded the Russell 2000 index return of 14.3% by 50%. The large cap equity return ranked in the 59th percentile in the Mercer large cap equity universe.

On a combined basis the investment return for domestic equity of 9.2% is under the Russell 3000 index return of 9.6%. Compared to the Mercer Equity Universe SCERS combined domestic equity return is in the 61st percentile for the one-year period. SCERS active investment managers had difficulty equaling index performance because a small group of large cap growth and technology stocks have significantly out performed the rest of the equity market and pulled the indexes higher. The annualized domestic equity return over the past three years is 17.3% and for five years is 21.1%. These double-digit returns are reflective of the strong returns provided by the US equity markets over most of the past decade.

The International equity return is 17.8% for the last year, exceeding the returns of the MSCI EAFE benchmark by 0.6%. This asset class, which uses both passive and active management, has consistently beaten the benchmark over one, three, five and longer time periods, as shown on the table of investment results. For the last year SCERS peer ranking is in the 69th percentile in the Mercer International Equity Universe. The below median peer ranking for the year is primarily the result of the high percentage of SCERS international equity assets that are indexed to the MSCI EAFE index and the timing of the investment in the emerging markets. The emerging markets have returned a negative 4.7% since the inception date of February 1, 2000.

SCERS fixed income managers have consistently managed to perform at or better than the benchmark Lehman Aggregate Bond index. For the one-year period the combined returns of the three managers is 5.0% compared to a benchmark return of 4.6%. On an annualized basis over the last five years the fixed income return is 6.5%. The five-year return for the benchmark is 6.2%. SCERS one year peer ranking in the Mercer Fixed Income Universe is in the 27th percentile.

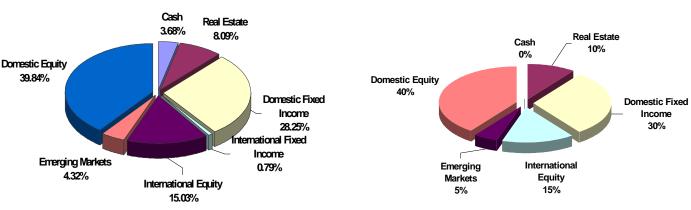
SCERS invests just slightly more than 8% of its assets in equity real estate. These investments include one actively managed separate account that is invested solely in multi-tenant commercial

real estate properties and nine investments that are in commingled trusts. A second separate account investment manager has been hired and will be investing up to \$100 million in additional investments during the next eighteen months. Real estate investments are made to improve overall investment diversification and to reduce performance volatility. In the last year the real estate investments returned 12.7% compared favorably to the return of the NCREIF benchmark index of 12.6%. Over a three-year period the annualized return of 13.8% trailed the NCREIF index return of 14.8%. Compared to the Mercer Real Estate Universe SCERS ranks in the 34th percentile for the last year.

J affor with

Jeffrey W. States Chief Investment Officer

2000 SCERS Actual Asset Allocation



Dom Eq = Domestic Equity / Inter Eq = International Equity / Dom F I = Domestic Fixed Income / Inter F I = International Fixed Income / R E = Real Estate / Cash = Cash

The 2000 Actual Asset Allocation is based upon the Investment Summary

Investment Professionals at June 30, 2000

Investment Managers

EQUITY-DOMESTIC

Alliance Capital Management Independence Investment Assoc. Nicholas Applegate Capital Mgmt. Oppenheimer Capital Mgmt. Trinity Investment Management

FIXED INCOME

Lincoln Capital Management Bradford & Marzec, Inc. Payden & Rygel David L. Bonuccelli & Assoc.

REAL ESTATE

Target Asset Allocation

G.E. Capital Investment PMRealty Advisors

Commingled Trusts

Proxy Advisor

The Proxy Monitor

Heitman Real Estate Fund III Heitman Real Estate Fund V JMB Real Estate Trust IV JMB Real Estate Fund V La Salle Fund III La Salle Fund IV Lend Lease Core Property Trust TCW Realty IV TCW Realty VI

Bank of Ireland Asset Management Capital International, Inc.

EQUITY-INTERNATIONAL

Deutsche Asset Management

Capital Guardian Trust Company

Real Estate Legal Counsel

Knox, Lemmon & Anapolsky, LLP Nossaman, Guthner, Knox & Elliot, LLP

Investment Consultant

William M. Mercer Investment Consulting

Investment Summary

| Equity Domestic | Fair Value at <u>06/30/00</u> | Percentage of Total Fair <u>Value</u> |
|---|-------------------------------------|---|
| Alliance-Russell 3000 Index | \$ 762,855,908 | 20.34% |
| Alliance-Russell 1000 Value Index | 152,180,010 | 4.06 |
| Independence–Growth | 257,264,772 | 6.86 |
| Nicholas Applegate-Small Cap | 128,705,991 | 3.43 |
| Oppenheimer-CORE | 98,759,038 | 2.63 |
| Trinity-Value | 94,778,209 | 2.52 |
| Total Domestic Equity | 1,494,543,928 | 39.84 |
| International Deutsche Asset Management - EAFE Index | 174,254,577 | 4.65 |
| Capital Guardian Trust - EAFE Index | 232,825,011 | 6.21 |
| Capital International - Emerging Markets | 162,184,722 | 4.32 |
| Bank of Ireland Asset Management – EAFE | 156,643,161 | 4.18 |
| Total International Equity | 725,907,471 | 19.36 |
| Total Equities | 2,220,451,399 | 59.20 |
| <u> Fixed Income</u> | <u>_</u> | |
| Domestic | | |
| Lincoln Capital-Index Salomon BIG | 548,964,636 | 14.63 |
| Bradford & Marzec-Salomon BIG | 340,903,395 | 9.09 |
| Payden & Rygel-Merrill 1-3 | 51,975,794 | 1.39 |
| Bonuccelli-Commercial Mortgage Total Domestic Fixed | <u>117,734,533</u> 1,059,578,358 | <u>3.14</u> 28.25 |
| International | 1,059,578,558 | |
| Bradford & Marzec-Salomon BIG | 17,840,717 | .48 |
| Payden & Rygel-Merrill 1-3 | 11,812,826 | .31 |
| Total International Fixed | 29,653,543 | .79 |
| Total Fixed Income | 1,089,231,901 | 29.04 |
| Real Estate | | |
| GE Capital-Separate | 274,234,817 | 7.30 |
| Commingled Trusts | 29,389,880 | .78 |
| Total Real Estate ¹ Total Investments at Fair Value | <u>303,624,697</u> 3,613,307,997 | <u>8.08</u> 96.32 |
| | 3,013,307,997 | 90.32 |
| Cash (Unallocated) | 138,001,176 | 3.68 |
| Total Cash & Investments | 3,751,309,173 | <u>100.00</u> % |
| Other Assets | | 100.00 |
| Receivables | 41,376,602 | |
| Fixed Assets | 133,679 | |
| Prepaid Dental | 127,108 | |
| Securities lending collateral | 452,551,581 | |
| Total Assets | 4,245,498,143 | |
| Liabilities | | |
| Investment Trades Payable | 33,191,297 | |
| Mortgages Payable | 73,404,050 | |
| Other Liabilities Securities lending liability | 6,438,359 | |
| | 452,551,581 | |
| Net Assets held in Trust for Pension Benefits | <u>\$ 3,679,912,856</u> | |

1. The GE Capital account includes investments made using \$73.4 million from loan proceeds.

Investment Results¹

| | Current Year Ending | Annua | alized |
|---|------------------------|---------------|---------------|
| Domestic Equity | June 30, 2000 | <u>3 Year</u> | <u>5 Year</u> |
| Total Domestic Equity | 9.4% | 17.5% | 21.3% |
| Mercer Equity Universe Median | 14.1% | 17.5% | 20.7% |
| Benchmark: Russell 3000 Index | 9.6% | 19.2% | 22.8% |
| International Equity | | | |
| Total International Equity | 18.3% | 10.1% | 12.7% |
| Mercer International Equity Universe Median | 26.0% | 13.9% | 15.4% |
| Benchmark: MSCI EAFE Index | 17.2% | 10.2% | 11.3% |
| Fixed Income | | | |
| Total Fixed Income | 5.1% | 6.5% | 6.7% |
| Mercer Fixed Income Universe Median | 4.3% | 5.9% | 6.4% |
| Benchmark: Lehman Brothers Aggregate | 4.6% | 6.0% | 6.2% |
| Real Estate | | | |
| Total Real Estate | 12.7% | 13.8% | 11.6% |
| Mercer Real Estate Universe Median | 10.9% | 14.6% | 12.5% |
| Benchmark: NCREIF Classic Property Index | 12.6% | 14.8% | 13.1% |
| Total Fund | | | |
| Sacramento Total Fund | 9.8% | 13.3% | 15.5% |
| Mercer Balanced Fund Median Universe ² | 12.9% | 14.7% | 16.2% |
| Benchmark: Asset Allocation Weightings ³ | 9.9% | 14.4% | 15.9% |

Notes:

1.

Returns were prepared by William Mercer Investment Consulting, Inc., and shown on a gross of fee basis. The Mercer 40/30/20/10 Balanced Universe is comprised of 40% managed domestic equity funds, 30% managed fixed income funds, 20% international equity funds and 10% real estate funds. Prior to January 1, 2000, the Benchmark Universe consisted of 47% managed domestic equity funds, 23% managed fixed income funds, 15% international equity funds and 15% real estate funds. 2.

The Benchmark consists of 35% Russell 3000, 5% Russell 2000, 30% Lehman Brothers Aggregate Bond Index, 15% MSCI EAFE index, 3. 5% MSCI Emerging Markets Free and 10% NCREIF Classic Property Index.Prior to January 1, 2000 the Benchmark consisted of 47% Russell 3000, 23% Salomon smith Barney Broad Investment Grade bond Index, 15% MSCI EAFE and 15% NCREIF.

Return calculations were prepared using a time-weighted rate of return based on the fair rate of return in accordance with AIMR performance presentation standards.

Schedule of Manager Fees

| Manager | Total | Category <u>Total</u> |
|---|---|--------------------------|
| Equity-Domestic Alliance Capital Management Independence Investment Associates Nicholas Applegate Oppenheimer Capital Management Trinity Investment Management | \$ 269,288 250,000 1,898,250 813,152 <u>381,124</u> | 3,611,814 |
| Equity-International Bankers Trust Investment Management Bank of Ireland Capital Guardian Morgan Grenfell, Inc. Schroder Capital Management | 500,346 341,460 1,047,626 313,026 <u>980,106</u> | 3,182,564 |
| <i>Fixed Income</i> Lincoln Capital Management Bradford & Marzec Payden & Rygel David L. Bonuccelli & Associates | 257,915 1,044,740 118,077 <u>631,965</u> | 2,052,697 |
| Real Estate G.E. Capital Investment Advisors | 1,591,517 | _,, |
| Total Manager Fees | 10,438,592 | |
| Other Professional Fees State Street Bank – Custodian & Securities Lending Fees William Mercer Consulting – Investment Consulting | 889,144 221,250 | |
| Total Investment Fees and Expenses | <u>\$ 11,548,986</u> | |

Ten Largest Stock Holdings (by Fair Value) As of June 30, 2000

| Ranl | <u>s Shares</u> | Security Name | Fair Value |
|------|------------------------|---------------------------------|-----------------------|
| 1. | 837,140 | General Electric | \$ 44,368,420 |
| 2. | 674,000 | CISCO Systems, Inc. | 42,841,125 |
| 3. | 311,400 | Intel Corp. | 41,630,288 |
| 4. | 356,088 | Exxon Mobile Corp. | 27,952,908 |
| 5. | 340,600 | Microsoft Corp. | 27,248,000 |
| 6. | 448,930 | Citigroup Inc. | 27,048,033 |
| 7. | 531,250 | Pfizer Inc. | 25,500,000 |
| 8. | 225,374 | Oracle | 18,945,502 |
| 9. | 163,200 | International Business Machines | 17,880,600 |
| 10. | 4,142,876 | Vodafone Airtouch | 16,745,963 |
| | Total of Ten Largest S | tock Holdings | <u>\$ 290,160,839</u> |

Ten Largest Bond Holdings (by Fair Value) As of June 30, 2000

| <u>Rank</u> | Par | Security Name | Interest Rate | <u>Maturity</u> | Fair Value |
|-------------|------------|-----------------------|---------------|-----------------|----------------------|
| 1. | 25,588,000 | US Treasury Bonds | 8.750% | 5/15/17 | \$ 32,192,775 |
| 2. | 20,263,000 | US Treasury Bonds | 6.250% | 5/15/30 | 21,257,103 |
| 3. | 18,172,000 | US Treasury Notes | 6.000% | 8/15/09 | 18,027,169 |
| 4. | 17,440,000 | US Treasury Notes | 6.625% | 4/30/02 | 17,494,413 |
| 5. | 15,419,000 | FNMA Debenture | 6.625% | 9/15/09 | 14,891,362 |
| 6. | 10,940,000 | US Treasury Bonds | 12.750% | 11/15/10 | 13,994,667 |
| 7. | 13,940,000 | FHLMC Debenture | 6.875% | 1/15/05 | 13,852,875 |
| 8. | 9,630,000 | US Treasury Bonds | 12.000% | 8/15/13 | 13,002,041 |
| 9. | 11,788,000 | US Treasury Notes | 5.875% | 11/15/04 | 11,616,720 |
| 10. | 10,027,000 | US Treasury Bonds | 7.250% | 8/15/22 | 11,270,950 |
| | | Total Largest Bond Ho | oldings | | <u>\$167,600,075</u> |

Note: The above schedules do not include funds invested in commingled trust funds or cash in the custodians short term investment fund.

A complete list of the portfolio's holdings is available upon request.

Schedule of Equity Brokerage Fees FYE June 30, 2000

| Brokorogo Firm | Commission por oboro | Total Commission | Sharaa Tradad |
|--|---------------------------------|------------------------------|-------------------------|
| Brokerage Firm ABG SECURITIES AS (STOCKHOLM) | Commission per share 0.07045 | Total Commission 2,541.72 | Shares Traded 36,079 |
| ABN AMRO AUSTRALIA LIMITED | 0.04688 | 473.52 | 10,100 |
| ABN AMRO CHICAGO CORPORATION | 0.05215 | 4,683.00 | 89,800 |
| ABN AMRO EQUITIES UK LTD LONDON | 0.01728 | 268.28 | 15,527 |
| ABN AMRO SECURITIES (USA) INC | 0.03086 | 6,077.31 | 196,900 |
| ABN AMRO SECURITIES | 0.00355 | 201.50 | 56,710 |
| ABN AMRO ABN AMRO,HOARE GOVETTE | 0.00914 0.25422 | 3,190.35 5,757.99 | 348,883 22,650 |
| ADAMS HARKNESS + HILL,INC | 0.05578 | 753.00 | 13,500 |
| ALFRED BERG-LONDON | 0.17218 | 282.37 | 1,640 |
| ALLEN & COMPANY INCORPORATED | 0.05676 | 7,890.00 | 139,000 |
| ALPHA MANAGEMENT INC | 0.06000 | 720.00 | 12,000 |
| ARCHIPELAGO BCC CAPITAL CLEAR | 0.06000 | 318.00 | 5,300 |
| AUTRANET,INC. BANC AMERICA SECURITY MONTGOMERY | 0.03770 | 1,150.00 | 30,500 |
| BANCBOSTON ROBERTSON STEPHENS | 0.05175 0.05000 | 12,114.68 3,125.00 | 234,078 62,500 |
| BANCO SANTANDER (GBL) | 0.10178 | 225.25 | 2,213 |
| BANK AM BELLEVUE | 4.75712 | 8,872.02 | 1,865 |
| BANK JULIUS BAER AND CO.LTD. | 2.48870 | 1,281.68 | 515 |
| BANK JULIUS BAR FRANKFURT | 0.31335 | 2,958.06 | 9,440 |
| BARING SECURITIES (HONG KONG) | 0.02535 | 557.71 | 22,000 |
| BEAR STEARNS + CO INC BEAR STEARNS NY | 0.05079 0.04851 | 24,641.00 800.39 | 485,200 16,500 |
| BEAR STEARNS NT BEAR STEARNS SECS | 0.40726 | 154.76 | 380 |
| BEAR STEARNS SECURITIES CORP | 0.05176 | 75,000.22 | 1,449,100 |
| BEAR STEARNS SECURITIES | 0.04751 | 332.54 | 7,000 |
| BEAR STEARNS | 0.06000 | 102.60 | 1,710 |
| BERNSTEINSANFORD C + CO INC | 0.05445 | 13,450.00 | 247,000 |
| BHF SECURITIES CORPORATION | 0.00861 | 122,457.14 | 14,225,305 |
| BISHOP ROSEN BNY CLEARING SERVICES LLC | 0.06000 0.06000 | 1,200.00 260.76 | 20,000 4,346 |
| BRADFORD, J.C. + CO | 0.06000 | 3,000.00 | 50,000 |
| BREAN MURRAY | 0.06000 | 1,020.00 | 17,000 |
| BRIDGE TRADING | 0.05848 | 9,644.00 | 164,900 |
| BROADCORTCAPITAL (THRU ML) | 0.05627 | 4,524.00 | 80,400 |
| BROCKHOUSE + COOPER INC MONTREAL | 0.01228 | 478.41 | 38,950 |
| BROCKHOUSE + COOPER, INC. | 0.01437 | 320.48 | 22,296 |
| BROCKHOUSE AND COOPER BROWN BROTHERS HARRIMAN & CO | 0.00542 0.05360 | 115.52 5,210.00 | 21,300 97,200 |
| BT ALEX BROWN | 0.06000 | 156.00 | 2,600 |
| B-TRADE SERVICES LLC | 0.02182 | 5,333.82 | 244,491 |
| BUCKINGHAM RESEARCH GROUP | 0.06000 | 1,800.00 | 30,000 |
| BUNTING WARBURG INC | 0.04093 | 1,109.29 | 27,100 |
| C.L.KING & ASSOCIATES | 0.05000 | 1,000.00 | 20,000 |
| CANADIAN IMPERIAL BANK OF COMMERCE CANTOR FITZGERALD + CO | 0.04066 | 11,651.77 | 286,600 |
| CANTOR FITZGERALD + CO CANTOR FITZGERALD + CO. | 0.07967 0.03680 | 533.76 3,577.00 | 6,700 97,200 |
| CANTOR FITZGERALD + CO., INC. | 0.04681 | 15,876.94 | 339,198 |
| CAPITAL INSTITUTIONAL SERVICES | 0.06000 | 372.00 | 6,200 |
| CAZENOVE + CO | 0.01486 | 13,474.39 | 906,611 |
| CAZENOVE ASIA LIMITED | 0.03322 | 199.32 | 6,000 |
| CAZENOVE INCORPORATED | 0.02627 | 911.68 | 34,710 |
| CAZENOVE CHARLES SCHWAB & CO., INC. | 0.01874 0.03042 | 412.19 | 22,000 |
| CHARTERHOUSE TILNEY SECS | 0.03657 | 21,600.00 496.30 | 710,000 13,571 |
| CHARTERHOUSE TILNEY SECURITIES LTD | 0.01269 | 14,503.34 | 1,142,900 |
| CI NORDICSECURITIES AB | 0.11325 | 486.96 | 4,300 |
| CIBC WOODGUNDY | 0.05000 | 1,100.00 | 22,000 |
| CIBC WORLD MARKETS CORP | 0.04307 | 37,269.02 | 865,363 |
| CITATION GROUP | 0.05113 | 5,870.00 | 114,800 |
| CITIBANK,N.A. | 0.05000 | 25.00 | 500 108,900 |
| COMMERZBANK AG COMMERZBANK CAPITAL MARKETS CORP. | 0.08870 0.15457 | 9,659.67 4,173.49 | 27,000 |
| COMMERZBANK CAFITAL MARKETS CORF. | 0.13437 | 9,780.85 | 72,799 |
| CORRESPONDENT SERVICES, INC | 0.05206 | 3,280.00 | 63,000 |
| COUNTY NATWEST SECURITIES LTD | 0.01283 | 7,427.30 | 578,700 |
| | | | |

| Drokorogo Firm | Commission per abore | Total Commission | Charge Traded |
|---|---------------------------------|-----------------------------------|----------------|
| Brokerage Firm CREDIT AGRI INDOSUEZ CHEUVREUX | Commission per share 0.03632 | <u>Total Commission</u> 117.67 | Shares Traded |
| CREDIT AGRICOLE INDOSUEZ (PARIS) | 0.06375 | 224.01 | 3,240 3,514 |
| CREDIT AGRICOLE INDOSUEZ (FARIS) | 0.09679 | 15,063.86 | 155,640 |
| CREDIT AGRICOLE INDOSUEZ CHEOVICEOX | 0.29476 | 2,641.04 | 8,960 |
| CREDIT AGRICOLE SECURITIES | 0.16015 | 1,540.05 | 9,616 |
| CREDIT LYONNAIS HONGKONG | 0.03430 | 1,680.46 | 49,000 |
| CREDIT LYONNAIS SECS | 0.02502 | 13,801.01 | 551,679 |
| CREDIT LYONNAIS SECURITIES(USA) INC | 0.01400 | 7,179.97 | 513,000 |
| CREDIT LYONNAIS SECURITIES | 0.03456 | 414.74 | 12,000 |
| CREDIT LYONNAIS SECURITIES(ASIA) | 0.01017 | 6,316.37 | 620,900 |
| CREDIT SUISSE FIRST BOSTON EQ.(ÉUR) | 0.09498 | 8,238.73 | 86,745 |
| CREDIT SUISSE FIRST BOSTON EQUITIES | 0.03463 | 580.37 | 16,760 |
| CREDIT SUISSE FIRST BOSTON LONDON | 0.01883 | 254.25 | 13,500 |
| CREDIT SUISSE FIRST BOSTON | 0.04588 | 1,944.21 | 42,375 |
| CS FIRST BOSTON (HONG KONG) LIMITED | 0.02532 | 2,357.90 | 93,140 |
| CS FIRST BOSTON (JAPAN) LIMITED | 0.02798 | 363.74 | 13,000 |
| CS FIRST BOSTON AUSTRALIA EQUITIES | 0.01001 | 2,906.71 | 290,300 |
| CS FIRST BOSTON CORPORATION | 0.05014 | 69,590.98 | 1,388,040 |
| CS FIRST BOSTON EQUITIES (EUR) LTD | 0.10165 | 7,777.22 | 76,511 |
| CSFB | 0.05087 | 10,506.19 | 206,540 |
| DAIWA SB CAPITAL | 0.00447 | 71.54 | 16,000 |
| DAIWA SECURITES SB CAPITAL MA | 0.04112 | 164.49 | 4,000 |
| DAVIS, MENDEL AND REGENSTEIN | 0.06000 | 900.00 | 15,000 |
| DB CLEARING SERVICES | 0.05023 | 8,615.00 | 171,500 |
| DEUTSCHE BANK A.G. | 0.01745 | 211.15 | 12,100 |
| DEUTSCHE BANK AG LONDON | 0.03136 | 3,237.95 | 103,247 |
| DEUTSCHE BANK AG DEUTSCHE BANK SECS | 0.06680 | 654.66 104.00 | 9,800 4,700 |
| DEUTSCHE BANK SECURITIES INC | 0.02213 0.01066 | 750.66 | 70,450 |
| DEUTSCHE BANK SECURITIES | 0.01338 | 1,423.21 | 106,331 |
| DEUTSCHE BANK | 0.01070 | 741.61 | 69,287 |
| DEUTSCHE MORGAN GRENFELL (LONDON) | 0.02789 | 15,425.59 | 553,030 |
| DEUTSCHE MORGAN GRENFELL | 0.06169 | 148.05 | 2,400 |
| DEUTSCHE SECURITIES AUST (SYDNEY) | 0.01164 | 227.00 | 19,500 |
| DIRECT BROKERAGE SERVICE | 0.06000 | 1,098.00 | 18,300 |
| DLJ INTERNATIONAL SECURITIES | 0.00720 | 509.07 | 70,700 |
| DLJ SECS | 0.00433 | 259.68 | 60,020 |
| DONALDSON, LUFKIN + JENRETTE SECS | 0.05471 | 23,028.55 | 420,920 |
| DONALDSONLUFKIN + JENRETTE SEC CORP | 0.04943 | 27,268.82 | 551,660 |
| DRESDNER KLEINWORT BENSON ASIA LTD | 0.01215 | 6,671.83 | 549,221 |
| DRESDNER SECURITIES (USA) INC. | 0.05000 | 15.00 | 300 |
| ERNST + CO | 0.06000 | 5,586.00 | 93,100 |
| EXANE S.A. | 0.25375 | 10,744.42 | 42,343 |
| FACTSET DATA SYSTEMS (BEAR STEARNS) | 0.06000 | 3,900.00 | 65,000 |
| FAHNESTOCK + CO. | 0.06000 | 522.00 | 8,700 |
| FIDELITY CAPITAL MARKETS | 0.05000 | 1,915.00 | 38,300 |
| FIRST CLEARING CORP | 0.06000 | 120.00 | 2,000 |
| FIRST UNION CAPITAL MARKETS | 0.06000 | 1,104.00 | 18,400 |
| FLEETBOSTON ROBERTSON STEPHENS INC | 0.05000 | 970.00 | 19,400 |
| FLEMING MARTIN LONDON UK | 0.01013 | 111.41 | 11,000 |
| FOX PITT KELTON INC | 0.69797 | 453.68 | 650 20,000 |
| GARBAN CORPORATES, INC GENESIS MERCHANT GROUP SECURITIES | 0.06000 | 1,200.00 11,700.00 | 195,000 |
| GERARD KLAUER MATTISON + CO | 0.06000 0.05551 | 21,831.00 | 393,300 |
| GOLDMAN SACHS (JAPAN) LTD. | 0.04084 | 17,068.31 | 417,893 |
| GOLDMAN SACHS + CO | 0.04534 | 83,910.07 | 1,850,679 |
| GOLDMAN SACHS ASIA FINANCE | 0.01421 | 4,091.40 | 288,000 |
| GOLDMAN SACHS INTERNATIONAL LONDON | 0.02246 | 9,898.89 | 440,775 |
| GOLDMAN SACHS INTERNATIONAL | 0.01756 | 1,447.20 | 82,434 |
| GOLDMAN SACHS INTL FINANCE LONDON | 0.03163 | 4,818.16 | 152,326 |
| GOLDMAN SACHS INTL LTD | 0.05341 | 470.00 | 8,800 |
| GOLDMAN SACHS | 0.01114 | 122.50 | 11,000 |
| GOODBODY STOCKBROKERS | 0.01890 | 2,224.17 | 117,650 |
| GRUNTAL +CO. | 0.06000 | 438.00 | 7,300 |
| GS2 SECURITIES INC | 0.06000 | 1,500.00 | 25,000 |
| HENDERSONCROSTHWAIT INSTL BROK LTD | 0.10550 | 4.22 | 40 |
| HENDERSONCROSTHWAITE LIMITED | 0.01263 | 230.18 | 18,222 |
| HENDERSONCROSTHWAITE | 0.09838 | 7.87 | 80 |
| HERZOG HEINE GEDULD INC | 0.05603 | 10,590.00 | 189,000 |
| HOARE GOVETT SECURITIES LIMITED | 0.00737 | 1,958.65 | 265,600 |
| HOARE GOVETT SECURITIES | 0.02228 | 657.37 | 29,500 |
| | | | |

| Brokerage Firm | Commission per share | Total Commission | Shares Traded |
|---|----------------------|------------------------|----------------------|
| HOENIG + COMPANY INC | 0.05534 | 2,638.92 | 47,682 |
| HSBC BANKPLC HSBC INVESTMENT BANK PLC | 0.01508 0.02841 | 381.31 43,083.66 | 25,294 1,516,262 |
| HSBC INVESTMENT LTD | 0.00481 | 43,083.00 | 29,900 |
| HSBC JAMES CAPEL | 0.03118 | 93.55 | 3,000 |
| HSBC SECURITIES (JAMES CAPEL) | 0.01251 | 137.64 | 11,000 |
| HSBC SECURITIES INC | 0.00956 | 240.79 | 25,200 |
| HSBC | 0.03018 | 3,781.07 | 125,300 |
| INDOSUEZ WI CARR SECS HONG KONG LTD | 0.01784 | 1,338.18 | 75,000 |
| INDOSUEZ WI CARR SECURITIES LIMITED INDOSUEZ WI CARR SECURITIES LTD | 0.01142 0.01135 | 68.49 102.18 | 6,000 9,000 |
| ING BANK | 0.02264 | 181.11 | 8,000 |
| ING BARING SECURITIES (JAPAN) | 0.03010 | 180.59 | 6,000 |
| ING BARING SECURITIES | 0.02574 | 2,080.13 | 80,810 |
| ING BARINGS SEC LTD | 0.05535 | 182.64 | 3,300 |
| INSTINET CORP | 0.02167 | 214.58 | 9,900 |
| INSTINET INTERMOBILIARE SECURITIES SIM SPA | 0.03414 0.05027 | 68,379.07 541.39 | 2,002,979 10,770 |
| INVEMED ASSOCS. (THRU BEAR STEARNS) | 0.06000 | 9,000.00 | 150,000 |
| INVESTMENT TECHNOLOGY GROUP INC. | 0.02362 | 210,109.62 | 8,895,692 |
| ISI GROUPINC | 0.06000 | 1,200.00 | 20,000 |
| J B WERE AND SON | 0.01323 | 2,542.36 | 192,200 |
| J B WERE & SON, TR A/C, MELBOURNE/LOND | 0.02282 | 136.90 | 6,000 |
| JAMES CAPEL PACIFIC LTD., TOKYO JANNEY MONTGOMERY, SCOTT | 0.00756 | 3,687.50 | 488,000 |
| JARDINE FLEMING SECURITIES LIMITED | 0.05118 0.00729 | 870.00 1,701.99 | 17,000 233,500 |
| JARDINE FLEMING SECURITIES LTD | 0.03669 | 12,023.49 | 327,734 |
| JB WERE +SON LTD LDN | 0.04070 | 2,079.69 | 51,100 |
| JEFFERIES+ CO | 0.03620 | 15,743.85 | 434,913 |
| JONES + ASSOCIATES | 0.04460 | 16,619.00 | 372,600 |
| JOSEPHTHAL LYON + ROSS | 0.05250 | 2,100.00 | 40,000 |
| JP MORGAN LONDON JP MORGAN SECURITIES INC SL | 0.01494 0.13852 | 226.01 491.74 | 15,130 3,550 |
| JP MORGAN SECURITIES INC SE | 0.13652 | 835.42 | 3,550 8,806 |
| JP MORGAN SECURITIES LIMITED | 0.30299 | 11,895.24 | 39,260 |
| JULIUS BAER SECURITIES | 0.20064 | 782.50 | 3,900 |
| JULIUS BAER/BANK JULIUS BAER | 0.66266 | 603.02 | 910 |
| KLEINWORTBENSON INC | 0.05270 | 7,852.13 | 148,992 |
| KLEINWORTBENSON SECS | 0.02917 | 504.51 | 17,297 |
| KLEINWORTBENSON SECURITIES LIMITED KNIGHT SECURITIES L.P. | 0.02301 0.06000 | 15,547.47 4,800.00 | 675,733 80,000 |
| KNIGHT SECURITIES | 0.05419 | 1,680.00 | 31,000 |
| LAZARD FRERES & CO. | 0.06000 | 4,200.00 | 70,000 |
| LEERINK SWANN & CO | 0.05000 | 1,435.00 | 28,700 |
| LEHMAN BROS INC. | 0.04710 | 58,794.21 | 1,248,197 |
| LEHMAN BROS INTL EUROPE | 0.01428 | 248.44 | 17,400 |
| LEHMAN BROTHERS INTERNATIONAL (EUR) LEHMAN BROTHERS JAPAN INC, TOKYO | 0.08254 0.09056 | 3,891.55 7,996.53 | 47,149 88,300 |
| LEHMAN BROTHERS | 0.07801 | 152.11 | 1,950 |
| LEVESQUE BEAUBIEN GEOFFRION | 0.04131 | 86.76 | 2,100 |
| LEWCO SECS AGENT FOR HAMBRE.+QUIST | 0.05711 | 11,400.00 | 199,600 |
| LEWCO SECS AGENT FOR WERTHEIM SHCR. | 0.05276 | 14,832.00 | 281,100 |
| LEWCO SECURITIES AGENT/CHASE H&Q | 0.05707 | 2,334.00 | 40,900 |
| LYNCH JONES AND RYAN INC MACQUARIEEQUITIES LIMITED (SYDNEY) | 0.05000 0.04836 | 750.00 406.21 | 15,000 8,400 |
| MACQUARIEINVESTMENT | 0.02174 | 4,564.63 | 210,000 |
| MAXUS CORP | 0.06000 | 300.00 | 5,000 |
| MCDONALD + CO | 0.06000 | 3,713.40 | 61,890 |
| MERRILL LYNCH EQUITIES (SYDNEY) | 0.02335 | 2,528.48 | 108,300 |
| MERRILL LYNCH FAR EAST LTD | 0.00225 | 58.43 | 26,000 |
| MERRILL LYNCH INTERNATIONAL | 0.02874 | 33,121.25 | 1,152,280 |
| MERRILL LYNCH JAPAN INCORPORATED MERRILL LYNCH PIERCE FENNER + SMITH | 0.01434 0.05346 | 3,215.25 78,233.52 | 224,280 1,463,383 |
| MERRILL LYNCH PIERCE FEINNER + SMITH MERRILL LYNCH | 0.03163 | 1,686.95 | 53,340 |
| METZLER SEEL | 0.15922 | 3,418.52 | 21,470 |
| MIDWEST RESEARCH MAXXUS GROUP | 0.06000 | 480.00 | 8,000 |
| MORGAN GRENFELL AND CO LIMITED | 0.03713 | 1,088.12 | 29,307 |
| MORGAN KEEGAN & CO INC | 0.06000 | 600.00 | 10,000 |
| MORGAN STANLEY + CO INTL | 0.09997 | 540.84 | 5,410 |
| MORGAN STANLEY AND CO, INC MORGAN STANLEY AND CO. INTERNATIONAL | 0.03546 0.04305 | 72,400.07 13,258.56 | 2,041,863 307,952 |
| | | 10,200.00 | 001,002 |

| Brokerage Firm | Commission per share | Total Commission | Shares Traded |
|--|----------------------|-----------------------|---------------------|
| MORGAN STANLEY ASIA LTD | 0.00415 | 2,603.84 | 627,000 |
| MORGAN STANLEY JAPAN LTD | 0.04303 | 6,897.61 | 160,300 |
| MORGAN STANLEY SECURITIES LIMITED | 0.09044 | 9,517.55 | 105,231 |
| MORGAN STANLEY | 0.23489 | 1,541.12 | 6,561 |
| MORGAN STANLEY TRUST CO., LONDON | 0.01621 | 183.16 | 11,300 |
| MORGAN, J.P., SECURITIES INC | 0.04457 | 15,427.64 | 346,182 |
| NATIONAL FINANCIAL SERVICES CORP. NATIONSBANC MONTGOMERY SEC LLC/S.F. | 0.04000 0.05111 | 1,400.00 6,348.00 | 35,000 124,200 |
| NEEDHAM +COMPANY | 0.06000 | 1,830.00 | 30,500 |
| NESBITT BURNS | 0.04031 | 568.36 | 14,100 |
| NEUBERGER+ BERMAN | 0.06000 | 2,520.00 | 42,000 |
| NOMURA INTERNATIONAL PLC | 0.02816 | 2,134.59 | 75,800 |
| NOMURA SECURITIES CO., LTD. | 0.01757 | 6,075.57 | 345,842 |
| NOMURA SECURITIES INTL INC | 0.03564 | 29.94 | 840 |
| O NEIL, WILLIAM AND CO. INC/BCC CLRG | 0.06000 | 4,032.00 | 67,200 |
| ORD MINNETT GROUP LIMITED (SYDNEY) ORD MINNETT | 0.01147 0.01275 | 1,657.29 2,517.27 | 144,550 197,500 |
| ORKLA SECS UK LTD | 0.11773 | 452.80 | 3,846 |
| PACIFIC CREST SECURITIES | 0.06000 | 3,000.00 | 50,000 |
| PAINE WEBBER INCORPORATED | 0.05282 | 34,857.90 | 659,918 |
| PANMURE GORDON & CO LTD | 0.04438 | 26.63 | 600 |
| PANMURE GORDON | 0.03724 | 356.00 | 9,560 |
| PAULSEN, DOWLING SECURITIES INC. | 0.06000 | 120.00 | 2,000 |
| PETERS + CO LIMITED | 0.05000 | 1,250.00 | 25,000 |
| PETERS + CO | 0.04071 | 2,690.64 | 66,100 |
| PICTET AND CIE PRUDENTIAL SECURITIES INCORPORATED | 3.07786 0.05675 | 1,108.03 40,972.02 | 360 721,967 |
| QUAKER SECURITIES INCORPORATED | 0.02000 | 40,972.02 | 246,450 |
| RABO SECURITIES NV AMSTERDAM | 0.11968 | 645.06 | 5,390 |
| RBC DOMINION SECURITIES CORP | 0.04141 | 1,117.94 | 27,000 |
| RBC DOMINION SECURITIES CORPORATION | 0.05000 | 600.00 | 12,000 |
| RBC DOMINION SECURITIES | 0.04003 | 288.19 | 7,200 |
| ROBERT FLEMING + CO LIMITED LONDON | 0.06083 | 133.82 | 2,200 |
| ROBERT FLEMING + CO LTD | 0.01207 | 5,892.35 | 488,100 |
| ROBERT FLEMING SECURITIES LIMITED | 0.00878 | 121.12 | 13,800 |
| ROBERT FLEMING ROBERT W BAIRD & CO., INCORPORATED | 0.01619 0.06000 | 2,631.59 1,761.00 | 162,526 29,350 |
| ROBERTSONSTEPHENS + CO L P | 0.05000 | 1,665.00 | 33,300 |
| ROBINSON HUMPHREY | 0.05412 | 2,024.00 | 37,400 |
| ROCHDALE SEC CORP.(CLS THRU 443) | 0.05817 | 4,776.00 | 82,100 |
| RUSSELL FRANK SECURITIES INC | 0.05000 | 820.00 | 16,400 |
| SALOMAN BROS | 0.14835 | 1,251.34 | 8,435 |
| SALOMON BROS HONG KONG | 0.00907 | 1,985.89 | 219,000 |
| SALOMON BROTHERS ASIA LIMITED | 0.02699 | 8,969.51 | 332,281 |
| SALOMON BROTHERS INC, NY | 0.02607 | 1,903.30 | 73,000 |
| SALOMON BROTHERS INTERNATIONAL SALOMON BROTHERS NY | 0.01697 0.00796 | 23,005.30 151.26 | 1,355,456 19,000 |
| SALOMON SMITH BARNEY AUSTRALIA | 0.03767 | 177.05 | 4,700 |
| SALOMON SMITH BARNEY INC | 0.05103 | 66,270.45 | 1,298,658 |
| SALOMON SMITH BARNEY | 0.02357 | 407.69 | 17,300 |
| SBC WARBURG AUSTRALIA LTD | 0.01494 | 1,259.17 | 84,300 |
| SBC WARBURG LONDON | 0.03853 | 10,438.83 | 270,900 |
| SCHRODER + CO | 0.14606 | 1,335.53 | 9,144 |
| SCHRODER SECS INTL | 0.04402 | 444.58 | 10,100 |
| SCHRODER SECURITIES LONDON SCHRODER SECURITIES LTD | 0.03330 0.01665 | 254.75 3,029.99 | 7,650 181,942 |
| SCHRODER SECORITIES LTD (SSL) | 0.01000 | 627.24 | 58,623 |
| SCOTIA CAPITAL MARKETS (USA) INC | 0.04028 | 809.53 | 20,100 |
| SCOTIA MCLEOD | 0.03995 | 1,190.59 | 29,800 |
| SG COWEN SECURITIES CORP | 0.05259 | 30,925.50 | 588,050 |
| SG SECURITIES HK | 0.01398 | 321.62 | 23,000 |
| SK INTERNATIONAL SECURITIES | 0.05268 | 1,080.00 | 20,500 |
| SKANDINAVISKA ENSKILDA BANKEN LONDON | 0.08035 | 104.46 | 1,300 |
| SOCIETE GENERALE HONG KONG | 0.01317 | 197.57 | 15,000 |
| SOCIETE GENERALE SECS SOCIETE GENERALE SECURITIES CORP | 0.01545 0.00464 | 1,313.02 1,615.95 | 85,000 348,600 |
| SOUNDVIEWTECHNOLOGY GROUP INC | 0.05958 | 1,990.00 | 348,600 33,400 |
| SOUTHWESTSECURITIES, INC. | 0.06000 | 1,812.00 | 30,200 |
| SPEAR, LEEDS & KELLOGG | 0.03075 | 43,019.00 | 1,399,200 |
| STANDARD + POORS SECURITIES INC | 0.05310 | 10,270.00 | 193,400 |
| STANDARD + POORS SECURITIES | 0.05000 | 695.00 | 13,900 |
| | | | |

| Brokerage Firm | Commission per share | Total Commission | Shares Traded |
|-------------------------------------|----------------------|------------------------|-------------------|
| STANDARD CHARTERED BANK | 0.00178 | 309.49 | 174,000 |
| STATE STREET BROKERAGE SERVICES | 0.01894 | 1,583.70 | 83,611 |
| SUNTRUST EQUITABLE SECURITIES CORP | 0.06000 | 174.00 | 2,900 |
| SVENSKA HANDELSBANKEN | 0.03778 | 2,455.51 | 65,000 |
| TEATHER AND GREENWOOD | 0.02680 | 1,399.22 | 52,200 |
| THOMAS WEISEL PARTNERS | 0.05000 | 4,895.00 | 97,900 |
| TORONTO DOMINION SECURITIES INC | 0.04062 | 1,308.09 | 32,200 |
| UBS AG LONDON | 0.09972 | 9,126.18 | 91,517 |
| UBS AG | 0.03256 | 3,867.34 | 118,769 |
| UBS WARBURG LLC | 0.05903 | 4,728.44 | 80,106 |
| WARBG WARBURG DILLON READ LLC | 0.01323 | 4,711.11 | 356,200 |
| WARBURG DILLION READ (ASIA) LTD | 0.02625 | 1,144.61 | 43,600 |
| WARBURG DILLON READ (FRANCE) | 0.03341 | 1,039.03 | 31,100 |
| WARBURG DILLON READ (HK) LTD | 0.00613 | 343.40 | 56,000 |
| WARBURG DILLON READ (JAPAN) | 0.01205 | 361.49 | 30,000 |
| WARBURG DILLON READ EQUITIES (MELB) | 0.01431 | 2,154.19 | 150,546 |
| WARBURG DILLON READ LLC | 0.00752 | 30,765.85 | 4,092,983 |
| WARBURG DILLON READ SECURITIES CO | 0.00834 | 969.49 | 116,252 |
| WARBURG DILLON READ SECURITIES | 0.03542 | 283.36 | 8,000 |
| WARBURG DILLON READ | 0.01741 | 19,261.96 | 1,106,515 |
| WARBURG DILLON REED | 0.00887 | 13,390.43 | 1,509,151 |
| WARBURG SECURITIES (JAPAN) INC | 0.01612 | 6,224.29 | 386,112 |
| WARBURG SECURITIES | 0.02063 | 21,702.85 | 1,052,031 |
| WEEDEN + CO. | 0.05537 | 28,601.00 | 516,500 |
| WESTMINSTER RESEARCH ACCOCIATION | 0.05634 | 4,620.00 | 82,000 |
| WILLAMS DE BROE PIC | 0.02582 | 80.47 | 3,117 |
| WILLIAMS CAPITAL GROUP (THE) | 0.05706 | 582.00 | 10,200 |
| | | <u>\$ 2,275,851.13</u> | <u>81,970,555</u> |

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Actuarial Section



December 7, 2000

Board of Retirement Sacramento County Employees' Retirement System 980 - 9th Street, Suite 750 Sacramento, California 95814

Dear Members of the Board:

We are pleased to present the actuarial valuation for the Sacramento County Employees' Retirement System prepared as of June 30, 2000 by William M. Mercer, Incorporated. The report includes:

- (1) a determination of the recommended employer contribution rates. These rates are to be effective July 1, 2001;
- (2) a determination of the recommended member contribution rates, also to be effective on July 1, 2001;
- (3) a determination of the funded status as of June 30, 2000; and
- (4) financial reporting and disclosure information pursuant to applicable accounting standards.

This report conforms with the requirements of the governing state and local statutes, accounting rules, and generally accepted actuarial principles and practices.

This report reflects the impact on funding status and contribution rates of the Retirement Board's expansion of the pay items includable in Earnable Compensation in response to the 1997 California Supreme Court decision in the Ventura County Deputy Sheriff's Association vs. Board of Retirement, Ventura County Employees' Retirement Association. This report assumes <u>no</u> retroactive application of the Ventura decision.

We have calculated the employer and member contribution rates assuming:

- The Reserve for Interest Fluctuations is retained at 2.5%;
- \$5.1 million and \$71.1 million will be transferred from excess earnings so that member and employer contribution rates will be maintained at the level established at the June 30, 1999 valuation.

The undersigned are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.

Sincerely,

Drahy yeing

Andy Yeung, ASA, EA, MAAA

Drew James, FSA, EA, MAAA

Actuary's Certification Letter



The annual actuarial valuation required for the Sacramento County Employees' Retirement System has been prepared as of June 30, 2000 by William M. Mercer, Incorporated. In preparing this valuation, we have employed generally accepted actuarial methods and assumptions to determine a sound value for the System's assets, liability and future contribution requirements. Our calculations are based upon member data and unaudited financial information provided to us by the System's staff. This data has not been audited by us, but it has been reviewed and found to be consistent, both internally and with prior years' data.

The contribution requirements are determined as a percentage of payroll. The primary funding objective of the System is to determine employer rates required to provide for both normal cost and a contribution to amortize the unfunded actuarial accrued liability. The amortization period for the unfunded actuarial accrued liability is 22 years as of June 30, 2000. The contribution to the unfunded actuarial accrued liability (which is currently negative for the County, resulting in a rate credit) is calculated to remain level as a percentage of future payroll (including projected payroll for future members). Payments (credits) will increase at a rate of 4.25% per year. The period for amortizing the unfunded actuarial accrued liability is set by the Board of Retirement.

The County issued Pension Obligation Bonds on July 5, 1995 to fully fund its unfunded actuarial accrued liability calculated as of June 30, 1994. Districts did not participate in the bond issue.

Contribution levels are recommended by the Actuary and adopted by the Board each year. The ratio of Actuarial Value of Assets to Actuarial Accrued Liabilities decreased from 110.4% to 110.1% during the year.

There were no changes in the actuarial assumptions or methods used in the determination of actuarial present values this year.

In our opinion, the combined operation of the assumptions and methods applied in this valuation fairly represent past and anticipated future experience of the System and meet the parameters required by GASB Statement 25.

A list of the supporting schedules we prepared for inclusion in the Actuarial and Financial Sections of the System's CAFR report is provided below:

- (1) Schedule of Active Member Valuation Data
- (2) Retirees and Beneficiaries Added to and Removed From Retiree Payroll
- (3) Schedule of Average Benefit Payments for Retirees and Beneficiaries
- (4) Schedule of Funding Progress
- (5) Solvency Tests
- (6) Actuarial Analysis of Financial Experience

Future contribution requirements may differ from those determined in the valuation because of:

- (1) differences between actual experience and anticipated experience;
- (2) changes in actuarial assumptions or methods;
- (3) changes in statutory provisions; and
- (4) differences between the contribution rates determined by the valuation and those adopted by the Board.

This report reflects the impact on funding status and contribution rates of the Retirement Board's expansion of the pay items includable in Earnable Compensation in response to the 1997 California Supreme Court decision in the Ventura County Deputy Sheriff's Association vs. Board of Retirement, Ventura County Employees' Retirement Association. This report assumes <u>no</u> retroactive application of the Ventura decision.

The undersigned are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.

William M. Mercer, Incorporated

Andy Yeung, ASA, EA, MAAA

Date: 12/7/2000

Drew James, FSA, EA, MAAA

Date: 12/7/2000

Summary of Actuarial Assumptions and Methods

The following assumptions were recommended by the actuary and have been adopted by the Board for the June 30, 2000 valuations.

| Inflation Assumption Cost of Living Adjustment | | 8.00% 4.25% 4% for Tier 1 General and Safety members 0% for Tier 2 General members 2% for Tier 3 General and Tier 2 Safety members 8.00% | | | | | | | |
|---|--|---|--|--|--|--|--|--|--|
| Post | -Retirement Mortality | | | | | | | | |
| (a) | Service | | | | | | | | |
| | Males 1994 Male Group A | nnuity Mortality Table set back one year | | | | | | | |
| | Females 1994 Female Gro | oup Annuity Mortality Table with no set back | | | | | | | |
| | Safety 1994 Male Group A | Annuity Mortality Table with no set back | | | | | | | |
| (b) | Disability | | | | | | | | |
| | General 1981 General Dis | 31 General Disability Mortality Table with no set back | | | | | | | |
| | Safety 1981 Safety Disabi | lity Mortality Table set back one year | | | | | | | |
| (c) | For Employee Contribution | n Rate Purposes | | | | | | | |
| | General 1994 Male Group | nnuity Mortality Table with a three year set back | | | | | | | |
| | Safety 1994 Male Group A | nuity Mortality Table with no set back | | | | | | | |
| Pre- | Retirement Mortality | Based upon the 6/30/98 Experience Analysis | | | | | | | |
| With | drawal Rates | Based upon the 6/30/98 Experience Analysis | | | | | | | |
| Disa | bility Rates | Based upon the 6/30/98 Experience Analysis | | | | | | | |
| Serv | ice Retirement Rates | Based upon the 6/30/98 Experience Analysis | | | | | | | |
| Sala | ry Scales | Total increases of 5.55% per year reflecting 4.25% for inflation and approximately 1.30% for merit and longevity | | | | | | | |
| Asse | ets | Valued at Five Year Smoothed Fair Value | | | | | | | |
| | entage of Members rried at Retirement | 70% for male members and 50% for female members | | | | | | | |
| | ninated Members gible for Reciprocal Benefits | 60% | | | | | | | |

Funding Method and Amortization of Actuarial Gains or Losses

The County's liability is being funded on the Entry Age Normal Method with an Unfunded Actuarial Accrued Liability (UAAL). The current amortization period for the UAAL is 22 years following June 30, 2000.

Summary of Plan Provisions

Benefit Sections 31676.1 and 31664 of the 1937 County Act

Briefly summarized below are the major provisions of the County Employees Retirement Law of 1937, as amended through June 30, 2000 that are applicable to Sacramento County Employees' Retirement System.

Membership

General employees entering after September 27, 1981 become members of Tier 2 or Tier 3. Safety members entering after June 24, 1995 become members of Tier 2. All others are covered by Tier 1 provisions.

Final Average Salary (FAS)

Final average salary is defined as the highest 12 consecutive months of compensation earnable for Tier 1 and highest 36 consecutive months for Tier 2 and Tier 3.

Return of Contributions

If a member should resign or die before becoming eligible for retirement, his or her contributions plus interest will be refunded. In lieu of receiving a return of contributions, a member with five or more years of service may elect to leave his or her contributions on deposit and receive a deferred vested benefit when eligible for retirement.

Service Retirement Benefit

Members with 10 years of service who have attained the age of 50 are eligible to retire. Members with 30 years of service (20 years for Safety), regardless of age, are eligible to retire.

The benefit expressed as a percentage of monthly FAS per year of service, depending on age at retirement, is illustrated below for typical ages. For members integrated with Social Security, the benefit is reduced by one-third of the percentage shown below times the first \$350 of monthly FAS per year of service after January 1, 1956.

| Age | General | Safety |
|-------------|---------|--------|
| 50 | 1.18% | 2.00% |
| 55 | 1.49% | 2.62% |
| 60 | 1.92% | 2.62% |
| 65 and over | 2.43% | 2.62% |

Disability Benefit

Members with five years of service, regardless of age, are eligible for non-service connected disability.

For Tier 1 General members, the benefit is 1.5% (1.8% for Tier 1 Safety members) of FAS for each year of service. If this benefit does not equal one-third of FAS, the benefit is increased by the same percentage of FAS for the years which would have been credited to age 65 (age 55 for Safety members), but the total benefit in this case cannot be more than one-third of FAS.

For Tier 2 and Tier 3 members, the benefit is 20% of FAS for the first five years of service plus 2% for each additional year for a maximum of 40% of FAS.

If the disability is service connected, the member may retire regardless of length of service, with a benefit of 50% of FAS.

Death Benefit (Before Retirement)

In addition to the return of contributions, a death benefit is payable to the member's beneficiary or estate equal to one month's salary for each completed year of service under the retirement system, based on the final year's average salary, but not to exceed six (6) months' salary.

If a member dies while eligible for service retirement or non-service connected disability, the spouse receives 60% of the allowance that the member would have received for retirement on the day of his or her death.

If a member dies in the performance of duty, the spouse receives 50% of the member's final average salary.

Death Benefit (After Retirement)

If a member dies after retirement, a lump sum amount of \$2,000 is paid to the beneficiary or estate. The Board is considering as a part of this valuation to provide for an increase in the \$2,000 death benefit.

If the retirement was for service connected disability, 100% of the member's allowance as it was at death is continued to the surviving spouse for life.

If the retirement was for other than service connected disability, 60% of the member's allowance is continued to the spouse for life.

Maximum Benefit

The maximum benefit payable to a member or beneficiary is 100% of FAS.

Cost of Living

The maximum increase in retirement allowance is 4% per year for Tier 1 General and Safety members, 2% for Tier 2 Safety members and, effective April 1, 1993, 2% for Tier 3 members. Tier 2 General members have no cost of living benefit. The cost of living increases are based on the change in the Consumer Price Index for the calendar year prior to the April 1 effective date.

Contribution Rates

Basic member contribution rates are based on the age nearest birthday at entry into the System (single rate for entrants after January 1, 1975). The rates are such as to provide an average annuity at age 60 equal to 1/240 of FAS for General members and at age 50 equal to 1/200 of FAS for Safety members. For members integrated with Social Security, the above contributions are reduced by one-third of that portion of such contribution payable with respect to the first \$350 of monthly salary. Cost of living rates are designed to pay for one quarter of the future cost of living costs. Member contributions are refundable upon termination from the System.

The Employer rates are actuarially determined to provide for the balance of the contributions needed to fund the benefits promised under the Retirement System.

| Valuation Date | Plan Type | Number | Annual Payroll | Annual Average Pay | % Increase in Average Pay * |
|-------------------|---------------|--------------|--------------------|-----------------------|--------------------------------|
| 6/30/95 | General | 8,973 | \$ 335,175,000 | \$ 37,354 | 4.01% |
| | <u>Safety</u> | 1,488 | 70,108,000 | 47,116 | 5.71% |
| | Total | 10,461 | \$ 405,283,000 | \$ 38,742 | 4.37% |
| 6/30/96 | General | 8,860 | \$ 329,019,000 | \$ 37,135 | -0.58% |
| | <u>Safety</u> | <u>1,896</u> | 88,584,000 | <u>46,722</u> | <u>0.84%</u> |
| | Total | 10,756 | \$ 417,603,000 | \$ 38,825 | 0.21% |
| 6/30/97 | General | 8,684 | \$ 328,676,000 | \$ 37,848 | 1.92% |
| | <u>Safety</u> | <u>1,863</u> | <u>90,791,000</u> | <u>48,734</u> | <u>4.31%</u> |
| | Total | 10,547 | \$ 419,467,000 | \$ 39,771 | 2.44% |
| 6/30/98 | General | 8,866 | \$ 367,781,000 | \$ 41,482 | 9.60% |
| | <u>Safety</u> | <u>1,935</u> | <u>102,604,000</u> | 53,025 | <u>8.81%</u> |
| | Total | 10,801 | \$ 470,385,000 | \$ 43,550 | 9.50% |
| 6/30/99 | General | 9,350 | \$ 400,287,000 | \$ 42,811 | 3.20% |
| | <u>Safety</u> | 2,004 | 102,038,000 | <u>50,917</u> | <u>-3.98%</u> |
| | Total | 11,354 | \$ 502,325,000 | \$ 44,242 | 1.59% |
| 6/30/00 | General | 10,217 | \$441,118,000 | \$ 43,175 | 0.85% |
| | <u>Safety</u> | <u>2,018</u> | <u>117,930,000</u> | 58,439 | <u>14.77%</u> |
| | Total | 12,235 | \$559,048,000 | \$ 45,693 | 3.28% |

Schedule of Active Member Valuation Data

* Reflects the increase in average salary for members at the beginning of the year versus those at the end of the year, it does not reflect the average salary increases received by members who worked the full year.

Retirees and Beneficiaries Added to and Removed from Retiree Payroll

| | At Beginning <u>of Year</u> | Added During <u>Year</u> | Removed During <u>Year</u> | At End of <u>Year</u> | Annual Retiree Payroll (In <u>Thousands)</u> | % Increase in Annual Retiree <u>Payroll</u> | n Average Annual <u>Allowance</u> |
|----------|-----------------------------------|--------------------------------|----------------------------------|-----------------------------|---|--|--|
| 06/30/95 | 4,130 | N/A | N/A | 4,387 | \$ 61,140 | 11.09% | \$ 13,937 |
| 06/30/96 | 4,387 | N/A | N/A | 4,502 | 65,098 | 6.47 | 14,460 |
| 06/30/97 | 4,502 | 320 | 176 | 4,646 | 70,716 | 8.63 | 15,221 |
| 06/30/98 | 4,646 | 394 | 156 | 4,884 | 78,762 | 11.38 | 16,127 |
| 06/30/99 | 4,884 | 573 | 154 | 5,303 | 85,698 | 8.81 | 16,160 |
| 06/30/00 | 5,303 | 377 | 192 | 5,488 | 91,391 | 6.64 | 16,653 |

N/A – Not Available

Schedule of Funding Progress (in thousands)

| Actuarial Valuation <u>Date</u> | Actuarial Value o Assets (I) <u>(a)</u> | Actuarial Accrued of Liability (AAL) - Entry Age (ii) <u>(b)</u> | Unfunded AAL (UAAL) <u>(b - a)</u> | Funded Ratio (<u>a / b)</u> | Covered Payroll <u>(c)</u> | UAAL as a Percentage of Covered Payroll <u>((b – a) / c)</u> |
|---------------------------------------|---|---|--|---------------------------------|----------------------------------|---|
| 06/30/95 | \$1,767,064 | \$1,835,864 | \$ 68,800 | 96.3% | \$405,284 | 17.0% |
| 06/30/96 | 1,956,715 | 1,987,230 | 30,515 | 98.5 | 417,603 | 7.3 |
| 06/30/97 | 2,238,557 | 2,226,440 | (12,117) | 100.5 | 419,467 | (2.9) |
| 06/30/98 | 2,600,547 | 2,409,642 | (190,905) | 107.9 | 470,385 | (40.6) |
| 06/30/99 | 3,017,639 | 2,734,548 | (283,091) | 110.4 | 502,325 | (56.4) |
| 06/30/00 | 3,427,348 | 3,111,760 | (315,588) | 110.1 | 559,047 | (56.5) |
| | | | | | | |

(i) (ii) Excludes accounts payable.

Includes reserve for interest fluctuations, retiree health benefit reserve, retiree death benefit reserve and amount over reserved benefits.

Solvency Tests (in thousands)

| Valuation <u>Date</u> | Active Member Contributions | Retired/Vested <u>Members</u> | Active Member (Employer Financed <u>Portion)</u> | s <u>Total</u> | Actuarial Value <u>of Assets</u> | Active Member <u>Contributions</u> | Retired/Vested <u>Members</u> | Active Members (Employer <u>Financed Portion)</u> |
|--------------------------|--------------------------------|----------------------------------|---|-------------------|-------------------------------------|--|----------------------------------|---|
| 06/30/95 | \$213,766 | \$ 848,904 | \$ 773,194 | \$1,835,864 | \$1,767,064 | 100% | 100% | 91% |
| 06/30/96 | 244,228 | 892,185 | 850,817 | 1,987,230 | 1,956,715 | 100 | 100 | 96 |
| 06/30/97 | 260,787 | 975,206 | 990,447 | 2,226,440 | 2,238,557 | 100 | 100 | 100 |
| 06/30/98 | 285,779 | 1,043,514 | 1,080,349 | 2,409,642 | 2,600,547 | 100 | 100 | 100 |
| 06/30/99 | 327,347 | 1,122,054 | 1,285,147 | 2,734,548 | 3,017,639 | 100 | 100 | 100 |
| 06/30/00 | 345,065 | 1,239,894 | 1,526,801 | 3,111,760 | 3,427,348 | 100 | 100 | 100 |

Events affecting year to year comparability:

06/30/95 - Inflation assumption dropped from 4.5% to 4.25%; Modification in non-economic assumptions. Included \$533,034 of Pension Obligation Bonds issued on July 5, 1995. 06/30/98 – Salary increase assumption increased from 5.5% to 5.55%. Modification in non-economic assumptions. Liability as a result of Ventura Court decision was included. 06/30/99 – No change in assumptions.

06/30/00 - No change in assumptions.

Actuarial Analysis of Financial Experience (in millions)

| | | | Plan Years ei | nding 6/30 | | |
|--|-------------|-------------|---------------|-------------|---------------------------------|--------------------|
| | <u>2000</u> | <u>1999</u> | <u>1998</u> | <u>1997</u> | <u>1996</u> | <u>1995</u> |
| Prior Valuation Unfunded Actuarial Accrued Liability | (\$283) | (\$191) | (\$12) | \$31 | \$ 69 | \$533 |
| Salary Increase Greater (Less) than Expected | 46 | (93) | (29) | | | |
| Asset Return Less (Greater) than Expected | (6) | (11) | (205) | | | |
| Other Experience | (2) | (18) | 55 | | | |
| Liability from Ventura Court Decision | | | 95 | | | |
| Actuarial Value of Assets Method Change | - | - | - | | | |
| Economic and Non-Economic Assumption Changes | - | - | 21 | | | |
| Data Corrections | - | 30 * | - | | | |
| Transfer from Excess Earnings | (71) | - | (116) | | | |
| Consolidated changes (detail unavailable) | - | - | - | (43) | (38) | (464) |
| Ending Unfunded Actuarial Accrued Liability | (\$316) | (\$283) | (\$191) | (\$12) | \$ [`] 31 [´] | \$ 69 [°] |

* Includes \$24 million in Recognition of Sick Leave Service in Valuation and \$6 million in Loss from Retirements.

NEW PROBABILITIES OF SEPARATION PRIOR TO RETIREMENT

GENERAL TIER 1 MALE MEMBERS

| • | | | | | | | | | | | |
|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|
| | WITH | WITH | WITH | WITH | WITH | WITH | TERM | Non-Duty | Duty | Non-Duty | Duty |
| Age SVC RET 20 0.000000 | <u>0<=X<1</u> 0.104000 | <u>1<=X<2</u> 0.104000 | <u>2<=X<3</u> 0.104000 | <u>3<=X<4</u> 0.104000 | <u>4<=X<5</u> 0.104000 | <u>5<=X</u> 0.104000 | <u>Vested</u> 0.015000 | <u>Disab.</u> 0.000000 | <u>Disab.</u> 0.000100 | <u>Death</u> 0.000545 | <u>Death</u> 0.000100 |
| 21 0.000000 | 0.104000 | 0.104000 | 0.104000 | 0.104000 | 0.104000 | 0.096536 | 0.015000 | 0.000000 | 0.000100 | 0.000545 | 0.000100 |
| 22 0.000000 | 0.098000 | 0.098000 | 0.098000 | 0.098000 | 0.098000 | 0.089072 | 0.015000 | 0.000000 | 0.000100 | 0.000598 | 0.000100 |
| 23 0.000000 | 0.095000 | 0.095000 | 0.095000 | 0.095000 | 0.095000 | 0.079619 | 0.015000 | 0.000000 | 0.000100 | 0.000633 | 0.000100 |
| 24 0.000000 | 0.092000 | 0.092000 | 0.092000 | 0.092000 | 0.092000 | 0.070529 | 0.015000 | 0.000000 | 0.000100 | 0.000671 | 0.000100 |
| 25 0.000000 | 0.090000 | 0.090000 | 0.090000 | 0.090000 | 0.090000 | 0.061803 | 0.015000 | 0.002500 | 0.000100 | 0.000711 | 0.000100 |
| 26 0.000000 | 0.085000 | 0.085000 | 0.085000 | 0.085000 | 0.085000 | 0.053441 | 0.015000 | 0.002500 | 0.000100 | 0.000749 | 0.000100 |
| 27 0.000000 | 0.080000 | 0.080000 | 0.080000 | 0.080000 | 0.080000 | 0.045444 | 0.015000 | 0.002500 | 0.000100 | 0.000782 | 0.000100 |
| 28 0.000000 | 0.075000 | 0.075000 | 0.075000 | 0.075000 | 0.075000 | 0.039881 | 0.015000 | 0.002500 | 0.000100 | 0.000811 | 0.000100 |
| 29 0.000000 | 0.070000 | 0.070000 | 0.070000 | 0.070000 | 0.070000 | 0.033985 | 0.015000 | 0.002500 | 0.000100 | 0.000838 | 0.000100 |
| 30 0.000000 | 0.066000 | 0.066000 | 0.066000 | 0.066000 | 0.066000 | 0.034344 | 0.015000 | 0.002500 | 0.000100 | 0.000862 | 0.000100 |
| 31 0.000000 | 0.062000 | 0.062000 | 0.062000 | 0.062000 | 0.062000 | 0.034703 | 0.015000 | 0.002500 | 0.000100 | 0.000883 | 0.000100 |
| 32 0.000000 | 0.057000 | 0.057000 | 0.057000 | 0.057000 | 0.057000 | 0.035063 | 0.015000 | 0.002500 | 0.000100 | 0.000902 | 0.000100 |
| 33 0.000000 | 0.053000 | 0.053000 | 0.053000 | 0.053000 | 0.053000 | 0.035422 | 0.015000 | 0.002500 | 0.000100 | 0.000912 | 0.000100 |
| 34 0.000000 | 0.048000 | 0.048000 | 0.048000 | 0.048000 | 0.048000 | 0.035781 | 0.015000 | 0.002500 | 0.000100 | 0.000913 | 0.000100 |
| 35 0.000000 | 0.046000 | 0.046000 | 0.046000 | 0.046000 | 0.046000 | 0.036141 | 0.012500 | 0.002500 | 0.000199 | 0.000915 | 0.000098 |
| 36 0.000000 | 0.044000 | 0.044000 | 0.044000 | 0.044000 | 0.044000 | 0.040065 | 0.012500 | 0.002500 | 0.000198 | 0.000927 | 0.000098 |
| 37 0.000000 | 0.041000 | 0.041000 | 0.041000 | 0.041000 | 0.041000 | 0.042453 | 0.012500 | 0.002500 | 0.000297 | 0.000958 | 0.000098 |
| 38 0.000000 | 0.038000 | 0.038000 | 0.038000 | 0.038000 | 0.038000 | 0.034675 | 0.012500 | 0.002500 | 0.000370 | 0.001010 | 0.000098 |
| 39 0.000000 | 0.035000 | 0.035000 | 0.035000 | 0.035000 | 0.035000 | 0.027634 | 0.012500 | 0.002500 | 0.000516 | 0.001075 | 0.000097 |
| 40 0.000000 | 0.028955 | 0.028955 | 0.028955 | 0.028955 | 0.028955 | 0.020604 | 0.012500 | 0.002500 | 0.000635 | 0.001153 | 0.000097 |
| 41 0.000000 | 0.026240 | 0.026240 | 0.026240 | 0.026240 | 0.026240 | 0.014579 | 0.012500 | 0.002500 | 0.000656 | 0.001243 | 0.000092 |
| 42 0.000000 | 0.023526 | 0.023526 | 0.023526 | 0.023526 | 0.023526 | 0.009561 | 0.012500 | 0.002500 | 0.000730 | 0.001346 | 0.000091 |
| 43 0.000000 | 0.020811 | 0.020811 | 0.020811 | 0.020811 | 0.020811 | 0.007443 | 0.012500 | 0.002500 | 0.000885 | 0.001454 | 0.000090 |
| 44 0.000000 | 0.018097 | 0.018097 | 0.018097 | 0.018097 | 0.018097 | 0.005500 | 0.012500 | 0.002500 | 0.000977 | 0.001568 | 0.000090 |
| 45 0.000000 | 0.016616 | 0.016616 | 0.016616 | 0.016616 | 0.016616 | 0.003730 | 0.010833 | 0.002500 | 0.001145 | 0.001697 | 0.000089 |
| 46 0.000000 | 0.014770 | 0.014770 | 0.014770 | 0.014770 | 0.014770 | 0.003508 | 0.009167 | 0.002900 | 0.001319 | 0.001852 | 0.000085 |
| 47 0.000000 | 0.012924 | 0.012924 | 0.012924 | 0.012924 | 0.012924 | 0.003052 | 0.007500 | 0.003363 | 0.001425 | 0.002042 | 0.000084 |
| 48 0.000000 | 0.011077 | 0.011077 | 0.011077 | 0.011077 | 0.011077 | 0.002725 | 0.005833 | 0.003684 | 0.001680 | 0.002260 | 0.000084 |
| 49 0.000000 | 0.010154 | 0.010154 | 0.010154 | 0.010154 | 0.010154 | 0.002415 | 0.004167 | 0.003996 | 0.001955 | 0.002501 | 0.000083 |
| 50 0.041766 | 0.010190 | 0.010190 | 0.010190 | 0.010190 | 0.010190 | 0.002119 | 0.002500 | 0.004475 | 0.002160 | 0.002773 | 0.000083 |
| 51 0.035907 | 0.009704 | 0.009704 | 0.009704 | 0.009704 | 0.009704 | 0.001839 | 0.002000 | 0.004763 | 0.002470 | 0.003088 | 0.000083 |
| 52 0.026016 | 0.009219 | 0.009219 | 0.009219 | 0.009219 | 0.009219 | 0.001574 | 0.015000 | 0.005215 | 0.002800 | 0.003455 | 0.000083 |
| 53 0.021441 | 0.008734 | 0.008734 | 0.008734 | 0.008734 | 0.008734 | 0.001352 | 0.010000 | 0.005270 | 0.002900 | 0.003854 | 0.000083 |
| 54 0.025442 | 0.008249 | 0.008249 | 0.008249 | 0.008249 | 0.008249 | | 0.005000 | 0.005386 | 0.003100 | 0.004278 | 0.000084 |
| 55 0.056044 | | | | | | | 0.000000 | | | | |
| 56 0.066486 | | | | 0.007351 | 0.007351 | | 0.000000 | | | 0.005322 | |
| 57 0.076671 | 0.006861 | 0.006861 | 0.006861 | 0.006861 | 0.006861 | 0.000000 | 0.000000 | 0.005365 | 0.003800 | 0.006001 | 0.000089 |
| 58 0.097931 | 0.006371 | 0.006371 | 0.006371 | 0.006371 | 0.006371 | 0.000000 | 0.000000 | 0.005656 | 0.004100 | 0.006774 | 0.000089 |
| 59 0.120894 | 0.005881 | 0.005881 | 0.005881 | 0.005881 | 0.005881 | 0.000000 | 0.000000 | 0.005880 | 0.004400 | 0.007623 | 0.000090 |
| 60 0.152506 | 0.005500 | 0.005500 | 0.005500 | 0.005500 | 0.005500 | 0.000000 | 0.000000 | 0.006036 | 0.004800 | 0.008576 | 0.000094 |
| 61 0.260757 | | 0.005000 | 0.005000 | 0.005000 | 0.005000 | 0.000000 | 0.000000 | 0.006124 | 0.005300 | 0.009663 | 0.000095 |
| 62 0.347504 | 0.005000 | 0.005000 | 0.005000 | 0.005000 | 0.005000 | 0.000000 | 0.000000 | 0.006145 | 0.005900 | 0.010911 | 0.000095 |
| 63 0.347628 | 0.004500 | 0.004500 | 0.004500 | 0.004500 | 0.004500 | 0.000000 | 0.000000 | 0.006454 | 0.006500 | 0.012335 | 0.000096 |
| 64 0.359971 | 0.004500 | 0.004500 | 0.004500 | 0.004500 | 0.004500 | 0.000000 | 0.000000 | 0.006756 | 0.007100 | 0.013914 | 0.000096 |
| 65 0.416859 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.007050 | 0.007700 | 0.015629 | 0.000099 |
| 66 0.447836 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.007337 | 0.008300 | 0.017462 | 0.000100 |
| | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.007545 | 0.009000 | 0.019391 | 0.000100 |
| 68 0.547215 69 0.684018 | 0.000000 | 0.000000 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 0.000000 | 0.007901 0.008257 | 0.009700 0.010400 | 0.021354 0.023364 | 0.000100 0.000100 |
| 70 1.000000 | | | | 0.000000 | | | 0.000000 | | 0.010400 | 0.023364 | 0.000000 |
| 70 1.000000 | 5.000000 | 0.000000 | 5.000000 | 5.000000 | 5.000000 | 0.000000 | 0.000000 | 5.000000 | 0.000000 | 5.000000 | 0.000000 |

NEW PROBABILITIES OF SEPARATION PRIOR TO RETIREMENT

GENERAL TIER 1 FEMALE MEMBERS

| • | WITH | WITH | WITH | WITH | WITH | WITH | TERM | Non-Duty | Duty | Non-Duty | Duty |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------|----------|---------------|---------------|--------------|--------------|
| Age SVC RET | <u>0<=X<1</u> | <u>1<=X<2</u> | <u>2<=X<3</u> | <u>3<=X<4</u> | <u>4<=X<5</u> | <u>5<=X</u> | Vested | <u>Disab.</u> | <u>Disab.</u> | <u>Death</u> | <u>Death</u> |
| 20 0.000000 | 0.125000 | 0.125000 | 0.125000 | 0.125000 | 0.125000 | 0.125000 | 0.015000 | 0.000000 | 0.000000 | 0.000305 | 0.000000 |
| 21 0.000000 | 0.115000 | 0.115000 | 0.115000 | 0.115000 | 0.115000 | 0.115000 | 0.015000 | 0.000000 | 0.000000 | 0.000308 | 0.000000 |
| 22 0.000000 | 0.106000 | 0.106000 | 0.106000 | 0.106000 | 0.106000 | 0.106000 | 0.015000 | 0.000000 | 0.000000 | 0.000311 | 0.000000 |
| 23 0.000000 | 0.098000 | 0.098000 | 0.098000 | 0.098000 | 0.098000 | 0.098000 | 0.015000 | 0.000000 | 0.000000 | 0.000313 | 0.000000 |
| 24 0.000000 | 0.093000 | 0.093000 | 0.093000 | 0.093000 | 0.093000 | 0.093000 | 0.015000 | 0.000000 | 0.000000 | 0.000313 | 0.000000 |
| 25 0.000000 | 0.090000 | 0.090000 | 0.090000 | 0.090000 | 0.090000 | 0.085803 | 0.015000 | 0.000100 | 0.000100 | 0.000313 | 0.000000 |
| 26 0.000000 | 0.088000 | 0.088000 | 0.088000 | 0.088000 | 0.088000 | 0.078606 | 0.015000 | 0.000100 | 0.000100 | 0.000316 | 0.000000 |
| 27 0.000000 | 0.086000 | 0.086000 | 0.086000 | 0.086000 | 0.086000 | 0.071409 | 0.015000 | 0.000100 | 0.000100 | 0.000324 | 0.000000 |
| 28 0.000000 | 0.084000 | 0.084000 | 0.084000 | 0.084000 | 0.084000 | 0.061371 | 0.015000 | 0.000100 | 0.000100 | 0.000338 | 0.000000 |
| 29 0.000000 | 0.082000 | 0.082000 | 0.082000 | 0.082000 | 0.082000 | 0.051970 | 0.015000 | 0.000100 | 0.000100 | 0.000356 | 0.000000 |
| 30 0.000000 | 0.075902 | 0.075902 | 0.075902 | 0.075902 | 0.075902 | 0.043205 | 0.015000 | 0.000196 | 0.000100 | 0.000377 | 0.000000 |
| 31 0.000000 | 0.071098 | 0.071098 | 0.071098 | 0.071098 | 0.071098 | 0.035078 | 0.015000 | 0.000196 | 0.000100 | 0.000401 | 0.000000 |
| 32 0.000000 | 0.066294 | 0.066294 | 0.066294 | 0.066294 | 0.066294 | 0.027587 | 0.015000 | 0.000196 | 0.000100 | 0.000427 | 0.000000 |
| 33 0.000000 | 0.061491 | 0.061491 | 0.061491 | 0.061491 | 0.061491 | 0.020996 | 0.015000 | 0.000289 | 0.000099 | 0.000454 | 0.000000 |
| 34 0.000000 | 0.056687 | 0.056687 | 0.056687 | 0.056687 | 0.056687 | 0.014907 | 0.015000 | 0.000285 | 0.000098 | 0.000482 | 0.000000 |
| 35 0.000000 | 0.047894 | 0.047894 | 0.047894 | 0.047894 | 0.047894 | 0.009322 | 0.012500 | 0.000239 | 0.000182 | 0.000514 | 0.000000 |
| 36 0.000000 | 0.045233 | 0.045233 | 0.045233 | 0.045233 | 0.045233 | 0.008347 | 0.012500 | 0.000313 | 0.000180 | 0.000550 | 0.000000 |
| 37 0.000000 | 0.040798 | 0.040798 | 0.040798 | 0.040798 | 0.040798 | 0.007117 | 0.012500 | 0.000386 | 0.000179 | 0.000593 | 0.000000 |
| 38 0.000000 | 0.036364 | 0.036364 | 0.036364 | 0.036364 | 0.036364 | 0.006039 | 0.012500 | 0.000447 | 0.000175 | 0.000643 | 0.000000 |
| 39 0.000000 | 0.032816 | 0.032816 | 0.032816 | 0.032816 | 0.032816 | 0.005174 | 0.012500 | 0.000504 | 0.000171 | 0.000701 | 0.000000 |
| 40 0.000000 | 0.029264 | 0.029264 | 0.029264 | 0.029264 | 0.029264 | 0.004452 | 0.012500 | 0.000951 | 0.000198 | 0.000763 | 0.000000 |
| 41 0.000000 | 0.027543 | 0.027543 | 0.027543 | 0.027543 | 0.027543 | 0.003779 | 0.012500 | 0.001363 | 0.000194 | 0.000826 | 0.000000 |
| 42 0.000000 | 0.025821 | 0.025821 | 0.025821 | 0.025821 | 0.025821 | 0.003158 | 0.012500 | 0.001740 | 0.000252 | 0.000888 | 0.000000 |
| 43 0.000000 | 0.024100 | 0.024100 | 0.024100 | 0.024100 | 0.024100 | 0.002766 | 0.012500 | 0.002296 | 0.000286 | 0.000943 | 0.000000 |
| 44 0.000000 | 0.022378 | 0.022378 | 0.022378 | 0.022378 | 0.022378 | 0.002373 | 0.012500 | 0.002901 | 0.000306 | 0.000992 | 0.000000 |
| 45 0.000000 | 0.021500 | 0.021500 | 0.021500 | 0.021500 | 0.021500 | 0.001979 | 0.011193 | 0.003555 | 0.000383 | 0.001046 | 0.000000 |
| 46 0.000000 | 0.020604 | 0.020604 | 0.020604 | 0.020604 | 0.020604 | 0.001979 | 0.009886 | 0.004387 | 0.000430 | 0.001111 | 0.000000 |
| 47 0.000000 | 0.019708 | 0.019708 | 0.019708 | 0.019708 | 0.019708 | 0.001979 | 0.008580 | 0.005280 | 0.000446 | 0.001196 | 0.000000 |
| 48 0.000000 | 0.018813 | 0.018813 | 0.018813 | 0.018813 | 0.018813 | 0.001979 | 0.007273 | 0.005492 | 0.000567 | 0.001297 | 0.000000 |
| 49 0.000000 | 0.017917 | 0.017917 | 0.017917 | 0.017917 | 0.017917 | 0.001979 | 0.005966 | 0.005654 | 0.000698 | 0.001408 | 0.000000 |
| 50 0.070172 | 0.018438 | 0.018438 | 0.018438 | 0.018438 | 0.018438 | 0.001979 | 0.004659 | 0.005764 | 0.000842 | 0.001536 | 0.000000 |
| 51 0.049065 | 0.017468 | 0.017468 | 0.017468 | 0.017468 | 0.017468 | 0.001979 | 0.003778 | 0.005824 | 0.001024 | 0.001686 | 0.000000 |
| 52 0.040816 | 0.016498 | 0.016498 | 0.016498 | 0.016498 | 0.016498 | 0.001979 | 0.002979 | 0.005832 | 0.001175 | 0.001864 | 0.000000 |
| 53 0.047218 | 0.015527 | 0.015527 | 0.015527 | 0.015527 | 0.015527 | 0.001979 | 0.002914 | 0.005895 | 0.001327 | 0.002051 | 0.000000 |
| 54 0.053994 | 0.014557 | 0.014557 | 0.014557 | 0.014557 | 0.014557 | 0.001979 | 0.002816 | 0.005958 | 0.001486 | 0.002241 | 0.000000 |
| 55 0.085279 | 0.013723 | 0.013723 | 0.013723 | 0.013723 | 0.013723 | 0.000000 | 0.002687 | 0.006021 | 0.001651 | 0.002466 | 0.000000 |
| 56 0.121555 | 0.012743 | 0.012743 | 0.012743 | 0.012743 | 0.012743 | 0.000000 | 0.002705 | 0.006085 | 0.001821 | 0.002755 | 0.000000 |
| 57 0.148736 | 0.011272 | 0.011272 | 0.011272 | 0.011272 | 0.011272 | 0.000000 | 0.002708 | 0.005000 | 0.001998 | 0.003139 | 0.000000 |
| 58 0.142848 | 0.009802 | 0.009802 | 0.009802 | 0.009802 | 0.009802 | 0.000000 | 0.002445 | 0.005000 | 0.001902 | 0.003612 | 0.000000 |
| 59 0.158030 | 0.008822 | 0.008822 | 0.008822 | 0.008822 | 0.008822 | 0.000000 | 0.002195 | 0.005000 | 0.001799 | 0.004154 | 0.000000 |
| 60 0.150332 | 0.008000 | 0.008000 | 0.008000 | 0.008000 | 0.008000 | 0.000000 | 0.001728 | 0.005000 | 0.001690 | 0.004773 | 0.000000 |
| 61 0.215369 | 0.007000 | 0.007000 | 0.007000 | 0.007000 | 0.007000 | 0.000000 | 0.001301 | 0.005000 | 0.001574 | 0.005476 | 0.000000 |
| 62 0.314700 | 0.006000 | 0.006000 | 0.006000 | 0.006000 | 0.006000 | 0.000000 | 0.000915 | 0.005000 | 0.001451 | 0.006271 | 0.000000 |
| 63 0.279036 | 0.004950 | 0.004950 | 0.004950 | 0.004950 | 0.004950 | 0.000000 | 0.000656 | 0.005000 | 0.001645 | 0.007179 | 0.000000 |
| 64 0.284421 | 0.003690 | 0.003690 | 0.003690 | 0.003690 | 0.003690 | 0.000000 | 0.000351 | 0.005000 | 0.001846 | 0.008194 | 0.000000 |
| 65 0.600000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005000 | 0.002054 | 0.009286 | 0.000000 |
| 66 0.472883 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005000 | 0.002224 | 0.010423 | 0.000000 |
| 67 0.561759 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005000 | 0.002395 | 0.011574 | 0.000000 |
| 68 0.642011 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005000 | 0.002395 | 0.012648 | 0.000000 |
| 69 0.802513 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005000 | 0.002395 | 0.013665 | 0.000000 |
| 70 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| | | | | | | | | | | | |

NEW PROBABILITIES OF SEPARATION PRIOR TO RETIREMENT

GENERAL TIER 2 & 3 MALE MEMBERS

| • | WITH | WITH | WITH | WITH | WITH | WITH | TERM | Non-Duty | Duty | Non-Duty | Duty |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------|----------|----------|----------------------|----------------------|--------------|
| Age SVC RET | <u>0<=X<1</u> | <u>1<=X<2</u> | <u>2<=X<3</u> | <u>3<=X<4</u> | <u>4<=X<5</u> | <u>5<=X</u> | Vested | Disab. | Disab. | Death | <u>Death</u> |
| 20 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.085148 | 0.181681 | 0.000000 | 0.000100 | 0.000545 | 0.000100 |
| 21 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.082692 | 0.164748 | 0.000000 | 0.000100 | 0.000570 | 0.000100 |
| 22 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.080236 | 0.147815 | 0.000000 | 0.000100 | 0.000598 | 0.000100 |
| 23 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.076349 | 0.130882 | 0.000000 | 0.000099 | 0.000633 | 0.000100 |
| 24 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.072553 | 0.113949 | 0.000000 | 0.000098 | 0.000671 | 0.000100 |
| 25 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.060899 | 0.097016 | 0.000100 | 0.000097 | 0.000711 | 0.000100 |
| 26 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.049644 | 0.080083 | 0.000100 | 0.000096 | 0.000749 | 0.000100 |
| 27 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.038789 | 0.063150 | 0.000100 | 0.000095 | 0.000782 | 0.000100 |
| 28 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.033903 | 0.063150 | 0.000097 | 0.000201 | 0.000811 | 0.000100 |
| 29 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.025615 | 0.046217 | 0.000095 | 0.000308 | 0.000838 | 0.000100 |
| 30 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.020000 | 0.040000 | 0.000184 | 0.000414 | 0.000862 | 0.000100 |
| 31 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.019000 | 0.030000 | 0.000179 | 0.000521 | 0.000883 | 0.000100 |
| 32 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.018000 | 0.030000 | 0.000174 | 0.000500 | 0.000902 | 0.000100 |
| 33 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.018000 | 0.030000 | 0.000244 | 0.000500 | 0.000912 | 0.000100 |
| 34 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.018000 | 0.030000 | 0.000226 | 0.000500 | 0.000913 | 0.000100 |
| 35 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.018000 | 0.020000 | 0.000209 | 0.000500 | 0.000915 | 0.000100 |
| 36 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.017971 | 0.020000 | 0.000256 | 0.000500 | 0.000927 | 0.000100 |
| 37 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.018191 | 0.020000 | 0.000291 | 0.000500 | 0.000958 | 0.000100 |
| 38 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.017523 | 0.020000 | 0.000763 | 0.000500 | 0.001010 | 0.000100 |
| 39 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.016855 | 0.020000 | 0.001373 | 0.000500 | 0.001075 | 0.000100 |
| 40 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.016187 | 0.020000 | 0.001561 | 0.000500 | 0.001153 | 0.000100 |
| 41 0.000000 | 0.093194 | | 0.055000 | 0.047500 | 0.027500 | 0.015519 | 0.020000 | 0.001749 | 0.000500 | 0.001243 | 0.000100 |
| 42 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.014851 | 0.020000 | 0.001937 | 0.000500 | 0.001346 | 0.000100 |
| 43 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.014071 | 0.020000 | 0.002124 | 0.000500 | 0.001454 | 0.000100 |
| 44 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.013292 | 0.020000 | 0.002312 | 0.000500 | 0.001568 | 0.000100 |
| 45 0.000000 46 0.000000 | 0.093194 0.093194 | 0.074641 0.074641 | 0.055000 0.055000 | 0.047500 0.047500 | 0.027500 0.027500 | 0.012512 0.011733 | 0.020000 | 0.002500 | 0.000500 0.000537 | 0.001697 0.001852 | 0.000100 |
| 47 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.010953 | 0.020000 | 0.002900 | 0.000626 | 0.001832 | 0.000100 |
| 48 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.010953 | 0.020000 | 0.003273 | 0.000715 | 0.002042 | 0.000100 |
| 49 0.000000 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.010953 | 0.020000 | 0.003403 | 0.000809 | 0.002200 | 0.000100 |
| 50 0.017772 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.010500 | 0.020000 | 0.003901 | 0.000872 | 0.002773 | 0.000100 |
| 51 0.019366 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.010000 | 0.020000 | 0.003982 | 0.000974 | 0.003088 | 0.000100 |
| 52 0.017201 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.009500 | 0.020000 | 0.004166 | 0.001081 | 0.003455 | 0.000100 |
| 53 0.012452 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.009000 | 0.020000 | 0.004343 | 0.001182 | 0.003854 | 0.000100 |
| 54 0.012683 | | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.008500 | 0.020000 | 0.004601 | 0.001330 | 0.004278 | 0.000100 |
| 55 0.061350 | 0.093194 | | | 0.047500 | | | | | | 0.004758 | |
| 56 0.057670 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | | | | | | 0.005322 | |
| | 0.093194 | | 0.055000 | 0.047500 | | 0.007000 | 0.020000 | 0.005333 | 0.001875 | 0.006001 | 0.000100 |
| 58 0.061315 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.006500 | 0.020000 | 0.005621 | 0.002069 | 0.006774 | 0.000100 |
| 59 0.074737 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.006000 | 0.020000 | 0.005842 | 0.002271 | 0.007623 | 0.000100 |
| 60 0.104188 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.005500 | 0.020000 | 0.005994 | 0.002531 | 0.008576 | 0.000100 |
| 61 0.176226 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.005000 | 0.020000 | 0.006079 | 0.002855 | 0.009663 | 0.000100 |
| 62 0.232506 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.005000 | 0.020000 | 0.006097 | 0.003245 | 0.010911 | 0.000100 |
| 63 0.197703 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.004500 | 0.020000 | 0.006413 | 0.003552 | 0.012335 | 0.000100 |
| 64 0.174398 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.004500 | 0.020000 | 0.006723 | 0.003856 | 0.013914 | 0.000100 |
| 65 0.647439 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.000000 | 0.020000 | 0.007027 | 0.004155 | 0.015629 | 0.000100 |
| 66 0.591409 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.000000 | 0.020000 | 0.007325 | 0.004449 | 0.017462 | 0.000100 |
| 67 0.535379 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.000000 | 0.020000 | 0.007545 | 0.004793 | 0.019391 | 0.000100 |
| 68 0.611862 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.000000 | 0.020000 | 0.007901 | 0.005166 | 0.021354 | 0.000100 |
| 69 0.764828 | 0.093194 | 0.074641 | 0.055000 | 0.047500 | 0.027500 | 0.000000 | 0.020000 | 0.008257 | 0.005539 | 0.023364 | 0.000100 |
| 70 1.000000 | 0.093194 | 0.074641 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| | | | | | | | | | | | |

NEW PROBABILITIES OF SEPARATION PRIOR TO RETIREMENT

GENERAL TIER 2 & 3 FEMALE MEMBERS

| • | | | | | | | | | | | |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------|---------------|---------------|---------------|--------------|--------------|
| | WITH | WITH | WITH | WITH | WITH | WITH | TERM | Non-Duty | Duty | Non-Duty | Duty |
| Age SVC RET | <u>0<=X<1</u> | <u>1<=X<2</u> | <u>2<=X<3</u> | <u>3<=X<4</u> | <u>4<=X<5</u> | <u>5<=X</u> | <u>Vested</u> | <u>Disab.</u> | <u>Disab.</u> | <u>Death</u> | <u>Death</u> |
| 20 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.125000 | 0.140000 | 0.000000 | 0.000000 | 0.000305 | 0.000000 |
| 21 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.114000 | 0.130000 | 0.000000 | 0.000000 | 0.000308 | 0.000000 |
| 22 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.103000 | 0.120000 | 0.000000 | 0.000000 | 0.000311 | 0.000000 |
| 23 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.095440 | 0.103580 | 0.000000 | 0.000000 | 0.000313 | 0.000000 |
| 24 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.087057 | 0.087160 | 0.000000 | 0.000000 | 0.000313 | 0.000000 |
| 25 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.077852 | 0.070740 | 0.000099 | 0.000090 | 0.000313 | 0.000000 |
| 26 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.074771 | 0.054320 | 0.000098 | 0.000090 | 0.000316 | 0.000000 |
| 27 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.071320 | 0.037900 | 0.000098 | 0.000090 | 0.000324 | 0.000000 |
| 28 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.060013 | 0.035504 | 0.000094 | 0.000090 | 0.000338 | 0.000000 |
| 29 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.049681 | 0.033109 | 0.000090 | 0.000090 | 0.000356 | 0.000000 |
| 30 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.040324 | 0.030713 | 0.000173 | 0.000082 | 0.000377 | 0.000000 |
| 31 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.031943 | 0.028317 | 0.000165 | 0.000082 | 0.000401 | 0.000000 |
| 32 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.024537 | 0.025921 | 0.000157 | 0.000082 | 0.000427 | 0.000000 |
| 33 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.023831 | 0.026214 | 0.000268 | 0.000082 | 0.000454 | 0.000000 |
| 34 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.022230 | 0.025959 | 0.000301 | 0.000082 | 0.000482 | 0.000000 |
| 35 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.019735 | 0.020000 | 0.000333 | 0.000200 | 0.000514 | 0.000000 |
| 36 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.020380 | 0.020000 | 0.000487 | 0.000200 | 0.000550 | 0.000000 |
| 37 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.019953 | 0.020000 | 0.000663 | 0.000200 | 0.000593 | 0.000000 |
| 38 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.020000 | 0.020000 | 0.000739 | 0.000200 | 0.000643 | 0.000000 |
| 39 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.020000 | 0.020000 | 0.000796 | 0.000200 | 0.000701 | 0.000000 |
| 40 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.020000 | 0.020000 | 0.000835 | 0.000145 | 0.000763 | 0.000000 |
| 41 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.020000 | 0.020000 | 0.000855 | 0.000145 | 0.000826 | 0.000000 |
| 42 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.019649 | 0.020000 | 0.000941 | 0.000193 | 0.000888 | 0.000000 |
| 43 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.017321 | 0.020000 | 0.001011 | 0.000241 | 0.000943 | 0.000000 |
| 44 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.014993 | 0.020000 | 0.001050 | 0.000289 | 0.000992 | 0.000000 |
| 45 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.012666 | 0.015000 | 0.001057 | 0.000123 | 0.001046 | 0.000000 |
| 46 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.010338 | 0.015000 | 0.001088 | 0.000158 | 0.001111 | 0.000000 |
| 47 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.008011 | 0.015000 | 0.001072 | 0.000193 | 0.001196 | 0.000000 |
| 48 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.007461 | 0.015000 | 0.001372 | 0.000246 | 0.001297 | 0.000000 |
| 49 0.000000 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006912 | 0.015000 | 0.001652 | 0.000298 | 0.001408 | 0.000000 |
| 50 0.053412 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006363 | 0.015000 | 0.001956 | 0.000605 | 0.001536 | 0.000000 |
| 51 0.034547 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006000 | 0.015000 | 0.002286 | 0.000912 | 0.001686 | 0.000000 |
| 52 0.026487 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006000 | 0.015000 | 0.002641 | 0.001219 | 0.001864 | 0.000000 |
| 53 0.029899 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006000 | 0.015000 | 0.003081 | 0.001526 | 0.002051 | 0.000000 |
| 54 0.033405 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006000 | 0.015000 | 0.003555 | 0.001833 | 0.002241 | 0.000000 |
| 55 0.062389 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006000 | 0.015000 | 0.004147 | 0.002140 | 0.002466 | 0.000000 |
| 56 0.087090 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.006021 | 0.015000 | 0.004784 | 0.002216 | 0.002755 | 0.000000 |
| 57 0.104467 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.005577 | 0.015000 | 0.005467 | 0.002293 | 0.003139 | 0.000000 |
| 58 0.120436 | | | | 0.050000 | 0.035000 | 0.005408 | 0.015000 | | | 0.003612 | 0.000000 |
| 59 0.157390 | 0.105000 | 0.085000 | 0.053750 | 0.050000 | 0.035000 | 0.005370 | 0.015000 | 0.006208 | 0.002293 | 0.004154 | 0.000000 |
| 60 0.123163 | | 0.085000 | | 0.050000 | 0.035000 | 0.004833 | 0.010000 | | 0.002339 | 0.004773 | 0.000000 |
| 61 0.204107 | | | | | 0.035000 | 0.004591 | 0.010000 | 0.006944 | 0.002385 | | 0.000000 |
| 62 0.400000 | 0.105000 | 0.085000 | | 0.050000 | 0.035000 | 0.004246 | 0.010000 | | 0.002430 | | 0.000000 |
| 63 0.313004 | 0.105000 | | 0.053750 | 0.050000 | 0.035000 | 0.003756 | 0.010000 | | | | 0.000000 |
| 64 0.328051 | | 0.085000 | | 0.050000 | 0.035000 | 0.003180 | 0.010000 | | 0.002522 | | 0.000000 |
| | | | | 0.050000 | 0.035000 | 0.000000 | 0.010000 | | 0.002568 | 0.009286 | 0.000000 |
| 66 0.498575 | | | | 0.050000 | 0.035000 | 0.000000 | 0.010000 | | | | 0.000000 |
| 67 0.606109 | | | | | 0.035000 | 0.000000 | 0.010000 | | | 0.011574 | |
| 68 0.692696 | | | | | 0.035000 | 0.000000 | 0.010000 | | 0.002568 | | 0.000000 |
| 69 0.865870 | | | | | 0.035000 | 0.000000 | 0.010000 | | | | 0.000000 |
| 70 1.000000 | | | | | | | | 0.000000 | | | 0.000000 |
| | 2.200000 | | | | | | | | 2.200000 | 2.000000 | 2.200000 |

2000 SCERS Comprehensive Annual Financial Report

NEW PROBABILITIES OF SEPARATION PRIOR TO RETIREMENT SAFETY MEMBERS

WITH WITH WITH WITH WITH WITH TERM Non-Duty Duty Non-Duty Duty Age SVC RET 0<=X<1 1<=X<2 2<=X<3 3<=X<4 4<=X<5 5<=X Vested Disab. Disab. Death Death 20 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.050000 0.000000 0.000516 0.000545 0.000200 0.050000 21 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.000000 0.000602 0.000570 0.000200 22 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.050000 0.000000 0.000689 0.900598 0.000200 23 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.050000 0.000000 0.000668 0.000633 0.000200 24 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.050000 0.000000 0.000727 0.000671 0 000200 25 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.050000 0.000200 0.001020 0.000711 0.000200 0.060000 0.025000 0.020000 0.020000 0.010000 0.007000 0.050000 0.000200 0.001183 0.000749 26 0.000000 0.000200 27 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.006792 0.014180 0.000300 0.001332 0.000782 0.000200 28 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.006531 0.013866 0.000300 0.001639 0.000811 0.000200 29 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.006269 0.013553 0.000400 0.001974 0.000838 0.000200 30 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.006008 0.013239 0.000400 0.002035 0.000862 0.000200 0.025000 0.020000 0.020000 0.010000 0.006000 0.013926 0.000500 31 0.000000 0.060000 0.002493 0.000883 0.000200 0.025000 0.020000 0.010000 0.006000 0.012612 0.000500 32 0.000000 0.060000 0.020000 0.002862 0.000902 0.000200 0.060000 0.025000 0.020000 0.020000 0.010000 0.006000 0.011504 0.000600 0.003111 0.000912 0.000200 33 0.000000 34 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.006000 0.010395 0.000600 0.003492 0.000913 0.000200 0.020000 0.010000 0.006000 0.009639 0.000700 35 0.000000 0.060000 0.025000 0.020000 0.003866 0.000915 0.000200 36 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.006000 0.008882 0.000800 0.004366 0.000927 0.000200 37 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.005913 0.008126 0.000900 0.004991 0.000958 0.000200 38 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.005366 0.007369 0.001000 0.005353 0.001010 0.000200 39 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.004818 0.006613 0.001100 0.005764 0.001075 0.000200 40 0.000000 0.060000 0.025000 0.020000 0.020000 0.010000 0.004271 0.005856 0.001200 0.005540 0.001153 0.000200 0.025000 0.020000 0.003724 41 0.000000 0.060000 0.020000 0.010000 0.005100 0.001300 0.005198 0.001243 0.000200 0.020000 0.020000 0.003176 0.004343 0.001400 42 0.000000 0.060000 0.025000 0.010000 0.004953 0.001346 0.000200 0.020000 0.002553 0.003587 0.001500 43 0.000000 0.060000 0.025000 0.020000 0.010000 0.005418 0 001454 0.000200 0.025000 0.001930 44 0.000000 0.060000 0.020000 0.020000 0.010000 0.002830 0.001700 0.005823 0.001568 0 000200 45 0.002000 0.060000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002074 0.001900 0.006764 0.001697 0.000300 46 0.004000 0.060000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002262 0.002100 0.007735 0.001852 0.000300 47 0.007500 0.060000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002450 0.002300 0.008737 0.002042 0.000300 0.060000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002460 0.002500 0.009500 0.002260 0.000300 48 0.014579 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002470 0.002800 0.010000 0.002501 0.000300 49 0.028317 50 0.050891 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.003100 0.010000 0.002773 0.000300 0.000000 0.000000 0.003400 51 0.049332 0.000000 0.000000 0.000000 0.000000 0.002500 0.010000 0.003088 0.000300 52 0.052117 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.003700 0.010000 0.003455 0.000300 53 0.063780 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.004100 0.010000 0.003854 0 000300 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.004400 0.010000 0.004278 54 0.062414 0.000300 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.004800 0.010000 0.004758 55 0.325482 0.000400 56 0.331457 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.005200 0.012993 0.005322 0.000400 0.000000 0.000000 0.000000 0.000000 0.002500 0.005600 57 0.233186 0.000000 0.000000 0.016390 0.006001 0.000400 58 0.205955 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.006000 0.019926 0.006774 0.000400 59 0.217589 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.002500 0.006400 0.023851 0.007623 0.000400

Statistical Section

Schedule of Participating Employers and Active Members June 30, 1995 to 2000

| SCERS Member Agency | Plan | 6/30/00 | 6/30/99 | 6/30/98 | 6/30/97 | 6/30/96 | 6/30/95 |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Carmichael Recreation | General | 18 | 18 | 20 | 20 | 20 | 20 |
| and Park District | Safety | 10 | 10 | 20 | 20 | 20 | 20 |
| | General | 1 | 1 | 1 | | | |
| Elk Grove Cemetery | Safety | 1 | 1 | I | | | |
| | General | 4 | 4 | 5 | 5 | 4 | 4 |
| Fair Oaks Cemetery | Safety | 4 | 4 | 5 | 5 | 4 | 4 |
| | General | | | | | 4 | 4 |
| Florin Fire | Safety | | | | | 85 | 89 |
| | General | 2 | 2 | 3 | 1 | 1 | 03 |
| Galt-Arno Cemetery | Safety | 2 | ۷. | 5 | I | 1 | |
| Mission Oaks | General | 12 | 12 | 12 | 12 | 12 | 13 |
| Recreation and Park District | Safety | | 12 | 12 | 12 | 12 | 10 |
| Orangevale Recreation | General | 14 | 14 | 13 | 10 | 10 | 11 |
| and Park District | Safety | | | | | | |
| October on the October Fine | General | | | | | | |
| Sacramento County Fire | Safety | 9 | 9 | 10 | 10 | 10 | 11 |
| | General | 409 | 455 | 345 | 257 | 193 | 210 |
| S.E.T.A. | Safety | | | | | | |
| Sunrise Recreation and | General | 28 | 28 | 27 | 26 | 27 | 25 |
| Park District | Safety | | | | | | |
| UC Davis | General | 2 | 3 | 3 | 3 | 3 | 3 |
| UC Davis | Safety | | | | | | |
| Poord of Supervisore | General | 5 | 5 | 5 | 5 | 5 | 5 |
| Board of Supervisors | Safety | | | | | | |
| Auditor | General | | | | | 1 | 1 |
| Sheriff | Safety | 1 | 1 | 1 | 1 | 1 | 1 |
| Assessor | General | 1 | 1 | 1 | 1 | 1 | 1 |
| District Attorney | General | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Special District | General | 497 | 534 | 436 | 341 | 281 | 298 |
| Members | Safety | 10 | 10 | 11 | 11 | 96 | 101 |
| | | | | | | | |
| Sacramento County | General | 9,720 | 8,816 | 8,771 | 8,343 | 8,579 | 8,675 |
| Members | Safety | 2,008 | 1,994 | 1,924 | 1,852 | 1,800 | 1,387 |
| | General | 10,217 | 9,350 | 8,866 | 8,684 | 8,860 | 8,973 |
| Total Members | Safety | 2,018 | 2,004 | 1,935 | 1,863 | 1,896 | 1,488 |
| | Total | 12,235 | 11,354 | 10,801 | 10,547 | 10,756 | 10,461 |

Data source for 6/30/99 and 6/30/98 from SCERS Actuarial Report for June 30, 1999 and 1998, respectively. Data source for 6/30/00 and 6/30/97-6/30/95 from SCERS audited financial statements.

Schedule of Revenue by Source (in thousands)

| | | Employer Contributions | | | | | | | |
|----------------|-------------------------|------------------------|--------------------------------|----------------------------|-----------|--|--|--|--|
| Year Ending | Member Contributions | Dollars | % of Annual Covered Payroll | Investment Income (Net) | Total | | | | |
| 6/30/1995 | \$20,867 | \$ 48,626 | 11.99 | \$175,810 | \$245,303 | | | | |
| 6/30/1996 | 24,395 | *568,677 | 136.17 | 322,841 | 915,913 | | | | |
| 6/30/1997 | 27,233 | 44,760 | 10.67 | 438,167 | 510,160 | | | | |
| 6/30/1998 | 29,930 | 43,109 | 9.16 | 464,511 | 537,550 | | | | |
| 6/30/1999 | 30,385 | 46,745 | 9.30 | 360,748 | 437,878 | | | | |
| 6/30/2000 | 30,018 | 42,024 | 7.52 | 315,790 | 387,832 | | | | |

Schedule of Expenses by Type (in thousands)

| | | Benefits | s Paid | | | | |
|----------------|------------|----------------------|------------------------------|----------------------------------|--------------------|---------|----------|
| Year Ending | Service | Survivor Benefits | Retiree Death Benefits | Health and Dental Benefits | Admin. Expenses | Refunds | Total |
| 6/30/1995 | **\$56,858 | | | \$5,693 | \$1,627 | \$1,258 | \$65,436 |
| 6/30/1996 | **61,720 | | | 5,828 | 1,981 | 1,353 | 70,882 |
| 6/30/1997 | 66,314 | \$ 942 | \$120 | 5,868 | 2,300 | 2,020 | 77,564 |
| 6/30/1998 | 72,748 | 1,166 | 106 | 5,981 | 2,868 | 2,460 | 85,329 |
| 6/30/1999 | 79,426 | 1,190 | 95 | 5,973 | 3,363 | 3,306 | 93,353 |
| 6/30/2000 | 88,103 | 1,200 | 293 | 6,946 | 3,602 | 3,181 | 103,325 |

*This total includes the effect of Pension Obligation Bond funding of prior years' liabilities by Sacramento County (\$533,034,360).

** Detail unavailable.

Schedule of Retiree Members by Type of Benefit at June 30, 2000

General (Misc.) Members

| | Monthly Allowances | | | | | | | | | |
|---------------------|--------------------|-------------|-------------|-------------|--------------------|--|--|--|--|--|
| | Count | Basic | COL | Total | Average Benefit | | | | | |
| Service Retirement | | | | | | | | | | |
| Unmodified | 2,947 | \$2,914,195 | \$976,086 | \$3,890,281 | \$1,320 | | | | | |
| Option 1 | 215 | 185,593 | 48,155 | 233,748 | 1,087 | | | | | |
| Option 2, 3 & 4 | 219 | 171,802 | 38,297 | 210,099 | 959 | | | | | |
| Total | 3,381 | 3,271,590 | 1,062,538 | 4,334,128 | 1,282 | | | | | |
| Ordinary Disability | | | | | | | | | | |
| Unmodified | 291 | 194,062 | 82,992 | 277,054 | 952 | | | | | |
| Option 1 | 23 | 11,437 | 5,385 | 16,822 | 731 | | | | | |
| Option 2, 3 & 4 | 12 | 7,110 | 2,786 | 9,896 | 825 | | | | | |
| Total | 326 | 212,609 | 91,163 | 303,772 | 932 | | | | | |
| Duty Disability | | | | | | | | | | |
| Unmodified | 168 | 170,645 | 83,681 | 254,326 | 1,514 | | | | | |
| Option 1 | 6 | 7,873 | 1,592 | 9,465 | 1,577 | | | | | |
| Option 2, 3 & 4 | 4 | 3,958 | 1,824 | 5,782 | 1,445 | | | | | |
| Total | 178 | 182,476 | 87,097 | 269,573 | 1,514 | | | | | |
| Beneficiary | | | | | | | | | | |
| Total | 726 | 333,284 | 181,898 | 515,182 | 710 | | | | | |
| Total (All Groups) | 4,611 | \$3,999,959 | \$1,422,696 | \$5,422,655 | \$1,176 | | | | | |

Safety Members

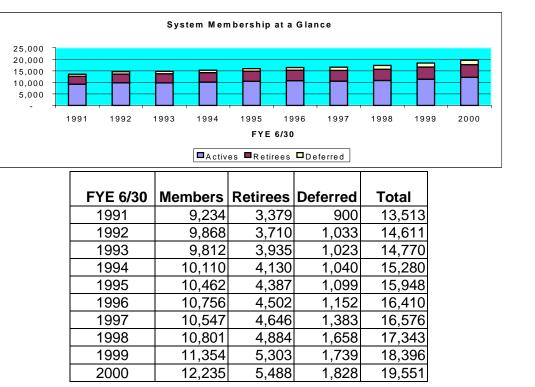
| Carety members | • • • • • • • | | | | | | | | | | |
|---------------------|---------------|-------------|---------------|-------------|--------------------|--|--|--|--|--|--|
| | | | Monthly Allow | ances | | | | | | | |
| | Count | Basic | COL | Total | Average Benefit | | | | | | |
| Service Retirement | | | | | | | | | | | |
| Unmodified | 519 | \$1,224,628 | \$248,263 | \$1,472,891 | \$2,838 | | | | | | |
| Option 1 | 18 | 43,258 | 11,897 | 55,155 | 3,064 | | | | | | |
| Option 2, 3 & 4 | 19 | 40,495 | 9,907 | 50,402 | 2,653 | | | | | | |
| Total | 556 | 1,308,381 | 270,067 | 1,578,448 | 2,839 | | | | | | |
| Ordinary Disability | | | | | | | | | | | |
| Unmodified | 19 | 21,687 | 11,839 | 33,526 | 1,765 | | | | | | |
| Option 1 | - | - | - | - | - | | | | | | |
| Option 2, 3 & 4 | 1 | 1,434 | 228 | 1,662 | 1,662 | | | | | | |
| Total | 20 | 23,121 | 12,067 | 35,188 | 1,759 | | | | | | |
| Duty Disability | | | | | | | | | | | |
| Unmodified | 143 | 264,606 | 98,203 | 362,809 | 2,537 | | | | | | |
| Option 1 | 6 | 10,284 | 2,940 | 13,224 | 2,204 | | | | | | |
| Option 2, 3 & 4 | 2 | 2,850 | 471 | 3,321 | 1,661 | | | | | | |
| Total | 151 | 277,740 | 101,614 | 379,354 | 2,512 | | | | | | |
| Beneficiary | | | | | | | | | | | |
| Total | 150 | 131,641 | 68,670 | 200,311 | 1,335 | | | | | | |
| Total (All Groups) | 877 | \$1,740,883 | \$452,418 | \$2,193,301 | \$2,501 | | | | | | |

2000 SCERS Comprehensive Annual Financial Report

| • | | - | | | | | ^ |
|---|------------------|------------------|----------------|--------------|--------------|--------------|--------------------|
| Retirement Effective Dates 7/01/94 to 6/30/00 | <u>0-4</u> | <u>5-9</u> | <u>10-14</u> | <u>15-19</u> | <u>20-24</u> | <u>25-29</u> | <u>30&over</u> |
| Period 7/1/94–6/30/95: Average Monthly Benefit Number of Active Retirants | \$1,505 1,337 | \$1,248 1,103 | \$1,037 877 | \$823 627 | \$652 328 | \$573 82 | \$610 33 |
| Period 7/1/95–6/30/96: Average Monthly Benefit Number of Active Retirants | 1,501 1,430 | 1,283 1,121 | 1,114 875 | 893 649 | 697 317 | 633 82 | 478 28 |
| Period 7/1/96–6/30/97: Average Monthly Benefit Number of Active Retirants | 1,539 1,501 | 1,404 1,092 | 1,151 902 | 950 683 | 760 337 | 651 104 | 485 27 |
| Period 7/1/97–6/30/98: Average Monthly Benefit Number of Active Retirants | 1,659 1,633 | 1,472 1,043 | 1,228 962 | 1,007 700 | 858 366 | 698 147 | 482 33 |
| Period 7/1/98–6/30/99: Average Monthly Benefit Number of Active Retirants | 1,639 1,667 | 1,552 1,262 | 1,313 979 | 1,079 744 | 923 432 | 727 179 | 579 40 |
| Period 7/1/99–6/30/00: Average Monthly Benefit Number of Active Retirants | 1,821 1,528 | 1,675 1,249 | 1,381 965 | 1,180 840 | 947 561 | 729 282 | 2,125 75 |

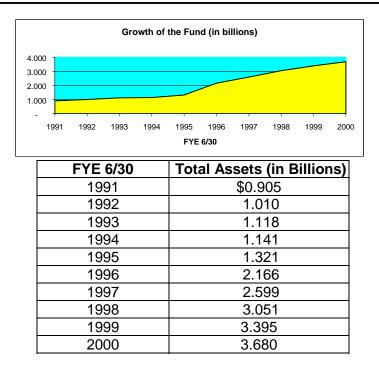
Schedule of Average Benefit Payments for Retirees and Beneficiaries

Growth of System Membership



2000 SCERS Comprehensive Annual Financial Report

Growth of the Fund



Schedule of Employer Contribution Rates

| Actuarial Report for | | County | | | | | Special Districts | | | |
|-------------------------|--------|----------------|---------------|--------|--------|----------------|-------------------|---------------|--|--|
| Year Ending | | <u>General</u> | <u>Safety</u> | | fety | <u>General</u> | | <u>Safety</u> | | |
| | Tier 1 | Tier 2 | Tier 3 | Tier 1 | Tier 2 | Tier 1 | Tier 3 | Tier 1 | | |
| 6/30/1997 | 8.14% | 5.33% | 6.77% | 19.92% | 14.63% | 17.04% | 16.59% | 25.97% | | |
| 6/30/1998 | 6.43 | 3.40 | 5.02 | 17.96 | 13.42 | 14.44 | 15.40 | 23.80 | | |
| 6/30/1999 | 5.85 | 2.91 | 4.55 | 14.57 | 10.30 | 14.58 | 14.91 | 20.45 | | |
| 6/30/2000 | 5.89 | 2.94 | 4.56 | 14.56 | 10.29 | 14.63 | 14.54 | 20.64 | | |

Source: Actuarial Balance Sheet

Composite contribution rates unavailable prior to 6/30/97.

Schedule of Administrative Expenses

| • | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Type of Expense | <u>6/30/00</u> | <u>6/30/99</u> | <u>6/30/98</u> | <u>6/30/97</u> | <u>6/30/96</u> | <u>6/30/95</u> |
| Salaries and Benefits | \$1,464,159 | \$1,418,423 | \$1,300,446 | \$1,004,357 | \$ 746,709 | \$ 695,783 |
| Professional Fees | 634,020 | 753,372 | 783,323 | 568,322 | 667,455 | 452,081 |
| Equipment Purchases and Maintenance | s 155,414 | 110,426 | 109,086 | 256,523 | 64,952 | 70,049 |
| Rent and Lease Expense | 170,880 | 155,031 | 150,555 | 68,608 | 66,143 | 65,749 |
| Other Administrative Expenses | <u>1,177,592</u> | 925,931 | 525,025 | 612,140 | 437,415 | 340,761 |
| TOTAL | <u>\$3,602,065</u> | <u>\$3,363,183</u> | <u>\$2,868,435</u> | <u>\$2,509,950</u> | <u>\$1,982,674</u> | <u>\$1,624,423</u> |

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Sacramento County Employees' Retirement System 980 9th Street – Suite 750 Sacramento, CA 95814

Phone # (916) 874-9119

http://www.co.sacramento.ca.us/retirement