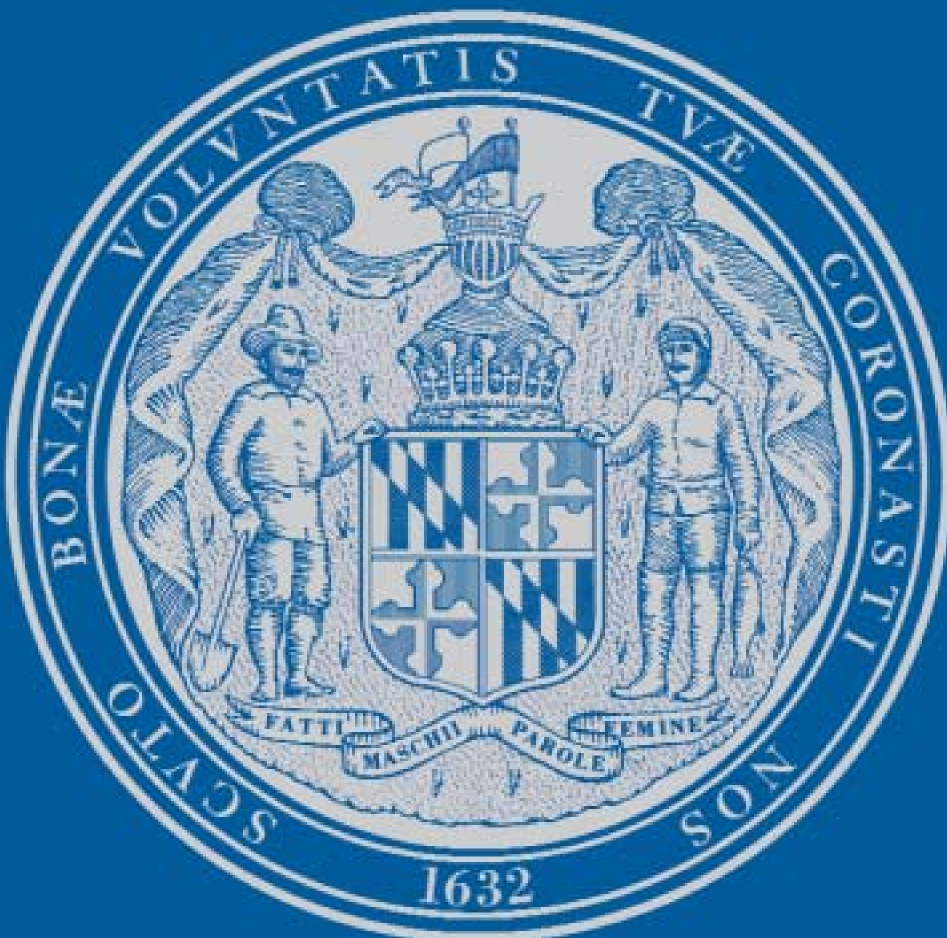
STATE RETIREMENT AND PENSION SYSTEM OF MARYLAND

COMPREHENSIVE ANNUAL FINANCIAL REPORT

A PENSION TRUST FUND OF THE STATE OF MARYLAND



FOR THE YEAR ENDED JUNE 30, 2002

MISSION STATEMENT

The Board of Trustees of the State Retirement and Pension System of Maryland (System) is charged with the fiduciary responsibility for administering the survivor, disability and retirement benefits of the System's participants, and to ensure that sufficient assets are available to fund the benefits when due. To accomplish this mission the System has established the following key goals:

- To prudently invest System assets in a well diversified manner to optimize long-term returns, while controlling risk through excellence in execution of the investment objectives and strategies of the System.

- To effectively communicate with all retirement plan participants to inform them about the benefits provided by the System, and to educate them about planning and preparing for all aspects of their future retirement.

- To accurately and timely pay retirement allowances provided by State pension law to the System's retirees and their beneficiaries.

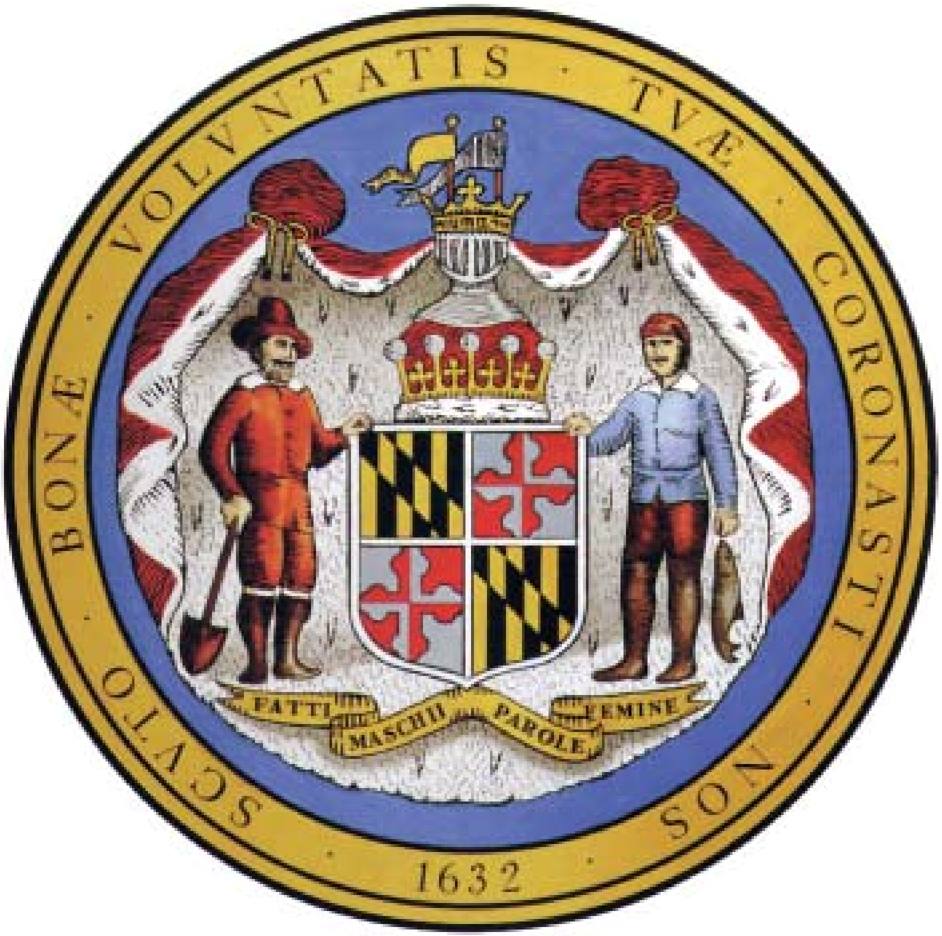
- To implement an automated, comprehensive and integrated pension administration and electronic document management system.

- To efficiently collect the required employer and member contributions necessary to fund the System.

State Retirement and Pension System of Maryland

COMPREHENSIVE ANNUAL FINANCIAL REPORT

A Pension Trust Fund of the State of Maryland



For the Year Ended June 30, 2002

Prepared by:

State Retirement Agency of Maryland
120 East Baltimore Street
Baltimore, Maryland 21202

We gratefully acknowledge the State Archives of the State of Maryland for their permission in reprinting the Great Seal of Maryland.

INTRODUCTORY SECTION:

FINANCIAL SECTION:

INVESTMENT SECTION:

ACTUARIAL SECTION:

STATISTICAL SECTION:

PLAN SUMMARY SECTION:

LETTER OF TRANSMITTAL

STATE RETIREMENT AND PENSION SYSTEM OF MARYLAND
STATE RETIREMENT AGENCY

120 EAST BALTIMORE STREET
BALTIMORE, MARYLAND 21202
TELEPHONE: 410-625-5555
1-800-492-5909

PETER VAUGHN
EXECUTIVE DIRECTOR
SECRETARY TO THE BOARD

December 15, 2002

Honorable Chairman & Members of the Board of Trustees:

We are pleased to submit the Comprehensive Annual Financial Report for the State Retirement and Pension System of Maryland (the "System") for the fiscal year ended June 30, 2002. We believe this report fairly reflects the results achieved during 2002.

The System is charged with the fiduciary responsibility for properly administering the retirement and pension allowances and other benefits, while striving to keep employer contribution rates as affordable as possible while maximizing investment returns and minimizing the risks inherent in any investment program. Members covered by the plans include State employees, teachers, law enforcement officers, legislators, judges, as well as local government employees and fire fighters whose employers have elected to participate in the System.

Seventy-five years ago, the first statewide retirement plan in Maryland (the Teachers' Retirement System) was established. Fourteen years later, in 1941, the Employees' Retirement System was established. Together these two plans comprise the majority of the System's membership. The System now provides monthly allowances to more than 87,000 retirees and beneficiaries, and is an essential element of the future financial security for over 190,000 active participating members. Descriptions of the membership requirements of, and benefits provided by, each plan administered by the System are included in the Plan Summary Section starting on page 85.

This Comprehensive Annual Financial Report contains six sections. The Introductory Section includes this letter of transmittal, along with information about the administrative structure of the System. The Financial, Actuarial and Investment Sections provide a comprehensive review of the System's financial position, the results of its operations and its funded status. Viewed separately, each of these three sections provides information about a different aspect of the System's long-standing record of stewardship and financial stability. In this regard, the Financial Section contains the report from the System's independent auditor, the combined financial statements and supplementary financial data. The Actuarial Section contains the independent actuary's certification, as well as the results of the System's annual actuarial valuation. The Investment Section includes a report from the System's Chief Investment Officer highlighting the past year's performance in addition to various summary level portfolio composition and performance data. The Plan Summary and Statistical Sections provide detailed descriptions of the various plans' provisions and the demographic composition of the membership segments affected by each plan.

Economic Environment

As was the case during fiscal year 2001, the lackluster economic environment during fiscal year 2002 presented another significant challenge to public pension funds. The ensuing market corrections again resulted in reduced investment earnings and a decrease in the System's overall funded status. However, despite this temporary downturn, the System remains financially strong and ahead of schedule with regard to its long-standing funding goals.

Investment Strategies

Under the experienced direction of its Board of Trustees, the System plans to continue following its steady course toward maximizing investment returns while minimizing its exposure to risk. In the months ahead, the System will continue to deploy assets at home as well as throughout the expanding global markets in an effort to maintain an appropriate portfolio balance.

Major Issues and Initiatives

During the past two years, the Agency has improved its ability to offer System benefits to employees of local jurisdictions by admitting to membership in the Combined Systems four new participating governmental units. During the coming year, the Agency will endeavor to continue to make progress in this area by actively marketing its services to county and local government employees throughout the State.

Financial Information

Because System management is responsible for the information contained in this report, we have committed the resources necessary to maintain an internal control structure which provides reasonable assurance that assets are adequately safeguarded and that the financial records are consistently and accurately maintained. Accordingly, we are confident that the financial statements, supporting schedules and statistical tables included in this report fairly present the System's financial condition and the results of its operations in all material respects.

Accounting System and Reports

The System reports its transactions on the accrual basis of accounting, under which revenues are reported in the accounting period in which they are earned and become measurable and expenses are reported when the related liability is incurred. Investments are reported at fair value at fiscal year end. Investment purchases and sales are reported in the accounting period in which the related trade dates occur.

Revenues

The reserves necessary to finance retirement allowances and other benefits are accumulated through investment earnings and the collection of employer and member contributions. During fiscal year 2002, investment earnings were a negative $2.2 billion, while revenues from employer and member contributions were $581 million and $199 million, respectively. For fiscal year 2002, member contribution rates remained unchanged, while employer rates increased slightly.

Expenses

The System's expenses consist of monthly retirement allowances, refunds of contributions to terminated and transferring members and withdrawing employers, and the administrative cost of System operations. As expected, payments to retirees, beneficiaries and transferring or withdrawing members and employers continued to be the System's primary disbursements during 2002, totaling $1,390 million. Of this amount, the System disbursed $1,372 million as retirement allowances to members and beneficiaries. The remaining $18 million was paid to members and withdrawing employers as a result of employment terminations, system transfers or withdrawal. Administrative and investment expenses are entirely funded through investment income. Of the $128 million disbursed during fiscal year 2002 to manage the investment portfolio and to administer the System, $108 million was paid for investment management, portfolio custody and securities lending services while only $20 million was used to fund the System's administrative operations.

Funding and Reserves

Funds, derived from the excess of revenues over expenses, are accumulated by the System in order to meet benefit obligations to both current and future retirees and beneficiaries. The Annotated Code of Maryland requires participating employers to make periodic contributions which, as a level percentage of payroll, will fund the employers' "normal costs" over the members' average active service period, and the System's accrued unfunded liability in separate annual layers. Specifically, the unfunded actuarial liability that existed at June 30, 2000 will continue to be amortized over the remaining 18-year period to June 30, 2020, whereas each subsequent annual liability layer will be amortized over a 25-year period. Each year the Board of Trustees certifies the required employer contribution rates based on the actuary's annual valuation and recommendations.

At June 30, 2002, the System's actuarial accrued liability was $34.1 billion. With the actuarial value of assets accumulated to pay the liability at $32.3 billion, the System now stands at 94.7 percent funded.

Investments

The entire $2.2 billion unrealized investment loss for fiscal year 2002, was attributable to temporary market value declines stemming from a slowing economy. Partially offsetting the effects of such market declines was approximately $776 million represented interest, dividends, securities lending net income and real estate operating net income.

Professional Services

The System contracts for the services of various independent consulting, investment advisory and financial professionals to assist the Board in carrying out its fiduciary responsibility to efficiently and effectively manage the System. For example, actuarial services were provided by Milliman USA and independent financial statement audit services were provided by the State of Maryland's Office of Legislative Audits. The System's asset custody and portfolio accounting services are provided by the State Street Bank & Trust Company under a multi-year, master custody arrangement. A complete listing of the System's professional consultants and external investment advisors is presented on page 11.

Certificate of Achievement for Excellence in Financial Reporting

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the State Retirement and Pension System of Maryland for its comprehensive annual financial report for the fiscal year ended June 30, 2001. This was the thirteenth consecutive year (1989 through 2001) the State Retirement and Pension System of Maryland has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a governmental unit must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements, and we are submitting it to the GFOA to determine its eligibility for another certificate.

Acknowledgments

This annual report reflects the dedicated efforts of the System's staff under the steady direction of the Board of Trustees. We extend our sincere gratitude to each member of the Board of Trustees, the Agency's staff, the Board's advisors and the many people who worked so hard to make fiscal year 2002 a success.

Peter Vaughn
Executive Director &
Secretary to the Board

Ricky L. Harrison, CPA
Chief Financial Officer

STATE RETIREMENT AND PENSION SYSTEM OF MARYLAND
STATE RETIREMENT AGENCY

120 EAST BALTIMORE STREET
BALTIMORE, MARYLAND 21202
TELEPHONE: 410-625-5555
1-800-492-5909

PETER VAUGHN
EXECUTIVE DIRECTOR
SECRETARY TO THE BOARD

Dear Members and Beneficiaries:

The fiscal year ending June 30, 2002 was another difficult and challenging one for the financial markets. Public and private pension systems throughout the country have all been affected by the recession, occurrences of corporate fraud, and terrorism of the past several years. Total investment return of the Maryland Retirement and Pension System (MRPS) for fiscal 2002 was a negative 7.6% compared with a negative 9.4% reported for fiscal 2001. Total fund assets totaled $26.5 billion at the close of fiscal 2002 versus $29.5 billion in 2001.

Remember, that despite the fluctuations of the financial markets, your benefits, both current and future, are safe and secure, guaranteed by the Maryland state government.

When we became presiding officers of the State Retirement and Pension System of Maryland on June 30, 2002, we told members of the Board that we would focus on five issues during the coming year. First, our primary mission would be to make money for the retirees prudently. Second, we would attempt, whenever practical, to favor managers and investments with a Maryland presence. Third, there would be a firm and uncompromising policy that money managers who do not perform to their expected standard will be terminated. Fourth, although board members may represent different constituencies, we would work with commonality for the benefit of all the active and retired members of the System. And finally, we would review the administration of the System as currently structured, to assure that it is being run as effectively and efficiently as possible. While we are making progress to date on each of these issues, we recognize we have only just begun.

It is our intention to communicate with you on a regular basis regarding the Retirement System. However, if you have concerns at any time, please call our toll free number 1-800-492-5909 or e-mail us at sra@sra.state.md.us or write to the address on the back cover. We pledge that each of your inquiries and comments will be promptly and fully handled.

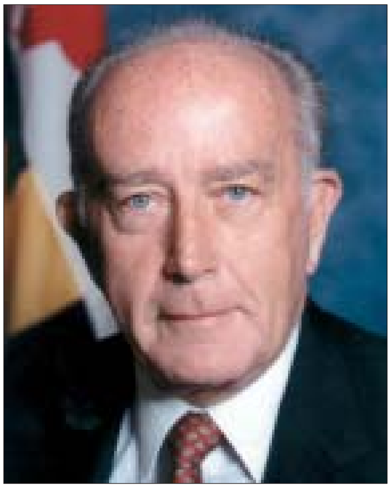
Each of the trustees has a deep sense of obligation and commitment to you and your families. The Board is confident that the strategic course we are on is correct. We view our fiduciary responsibility to you as a trust and will act with a sense of urgency in all matters concerning your pension System.

Sincerely,

WILLIAM DONALD SCHAEFER
Chairman

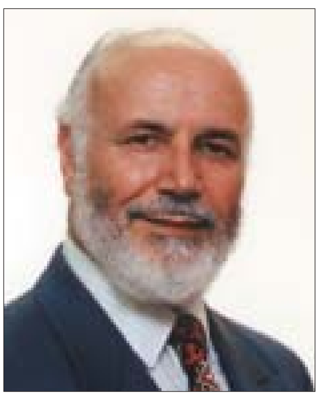
NANCY K. KOPP
Vice Chairman

BOARD OF TRUSTEES



WILLIAM DONALD SCHAEFER, ***Chairman***
State Comptroller
Ex Officio since January 25, 1999
Member, Investment Committee
Member, Real Estate Subcommittee

NANCY K. KOPP, ***Vice Chairman***
State Treasurer
Ex Officio since February 14, 2002
Member, Investment Committee
Member, Executive Committee



DR. ALI A. ALEMI
August 1, 1999 – July 31, 2003
Member, Executive Committee
Member, Audit Committee

WILLIAM D. BROWN
August 1, 1997 – July 31, 2005
Chairman, Executive Committee
Chairman, Audit Committee

ARTHUR N. CAPLE, JR.
August 1, 1985 – July 31, 2005
Chairman, Investment Committee

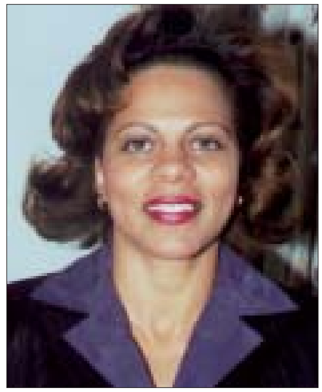
DAVID A. RAKES
November 20, 2001 – June 30, 2006
Member, Investment Committee

T. ELOISE FOSTER
Ex Officio since June 1, 2000
Member, Investment Committee
Member, Executive Committee

DR. NANCY S. GRASMICK
Ex Officio since September 16, 1991
Member, Executive Committee

BOARD OF TRUSTEES

G. BRUCE HARRISON
August 1, 1997 – July 31, 2005
Member, Investment Committee
Member, Real Estate Subcommittee
Member, Audit Committee



DEBRA B. HUMPHRIES
August 1, 1997 – July 31, 2005
Member, Real Estate Subcommittee
Member, Investment Committee

MAJOR MORRIS L. KROME
August 1, 1998 – July 31, 2006
Vice Chairman, Executive Committee

CARL D. LANCASTER
August 1, 1987 – July 31, 2003
Vice Chairman, Investment Committee
Member, Real Estate Subcommittee

COL. DAVID B. MITCHELL
Ex Officio since January 18, 1995
Member, Executive Committee

GEORGE R. TYDINGS
May 31, 1994 – June 30, 2003
Member, Investment Committee

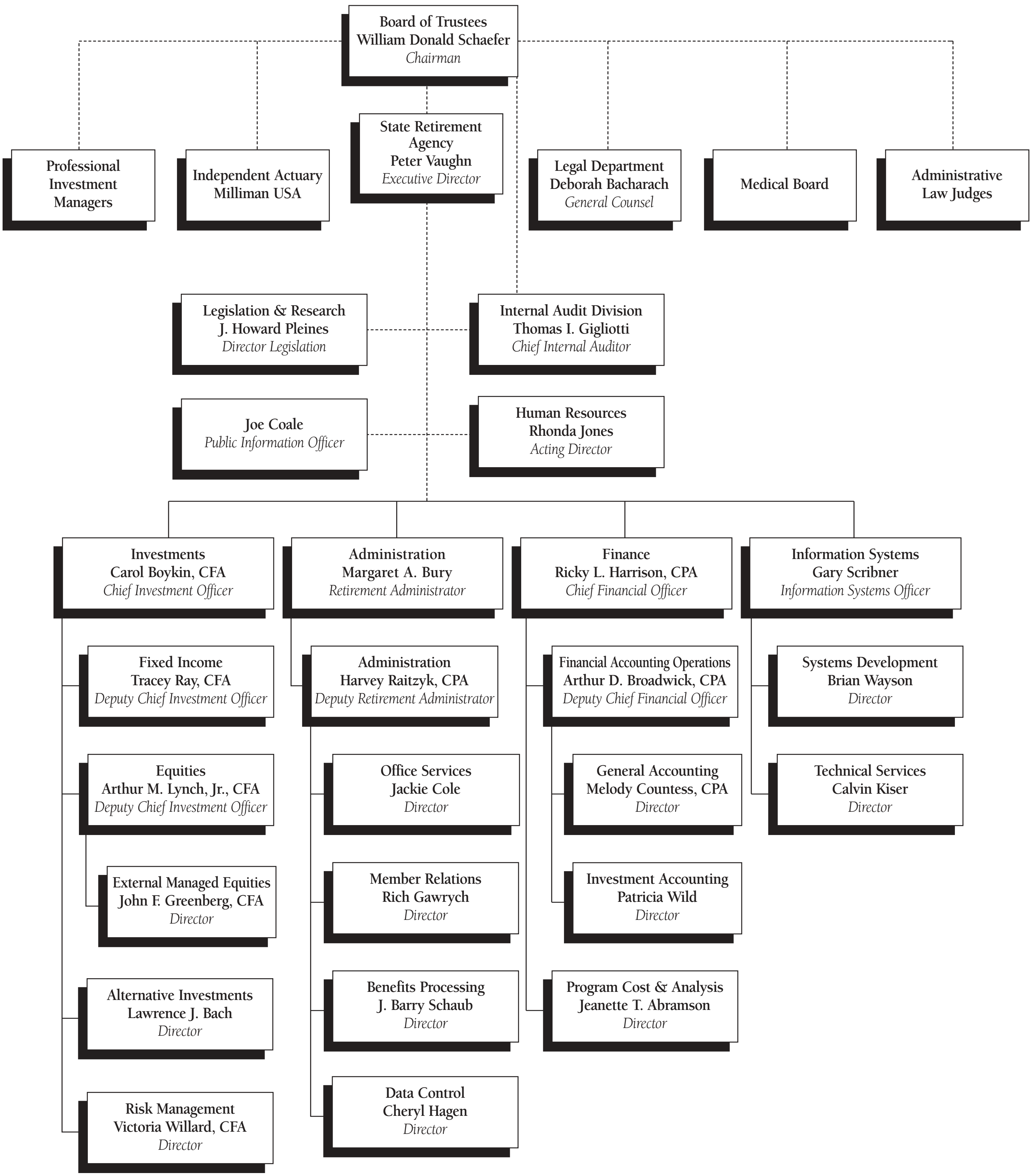
PUBLIC ADVISORS TO THE INVESTMENT COMMITTEE

ROBERT W. SCHAEFER

WAYNE H. SHANER

ORGANIZATIONAL CHART

(December, 2002)



CONSULTING, PROFESSIONAL & INVESTMENT MANAGEMENT SERVICES

Equity Investment Managers

Abbott Capital Management, LLC
Boston, Massachusetts

Adams Street Partners, LLC
Chicago, Illinois

Advent Capital Management
New York, New York

Ariel Capital Management, Inc.
Chicago, Illinois

Bank of Ireland Asset Management Limited
Dublin, Ireland

Brown Capital Management, Inc.
Baltimore, Maryland

Brown Investment Advisory & Trust Company
Baltimore, Maryland

Capital Guardian Trust Company
Washington, D.C.

Credit Suisse Asset Management, LLC
New York, New York

Deutsche Asset Management
New York, New York

Dimensional Fund Advisors, Inc.
Santa Monica, California

The Edgar Lomax Company
Springfield, Virginia

GEM Capital Management, Inc.
New York, New York

Greenway Partners, L.P.
New York, New York

HarbourVest Partners, LLC
Boston, Massachusetts

J. & W. Seligman & Co., Inc.
New York, New York

The Kenwood Group, Inc.
Chicage, Illinois

Legg Mason Capital Management, Inc.
Baltimore, Maryland

Maryland Venture Capital Trust
Baltimore, Maryland

Progress Investment Management Company
San Francisco, California

Relational Investors, LLC
San Diego, California

Robert W. Torray & Co., Inc.
Bethesda, Maryland

State Street Global Advisors
Boston, Massachusetts

T. Rowe Price Associates, Inc.
Baltimore, Maryland

Templeton Investment Counsel, Inc.
Fort Lauderdale, Florida

Trust Company of the West
Los Angeles, California

Independent Actuary

Milliman USA
Baltimore, Maryland

Independent Auditor

Office of Legislative Audits
Baltimore, Maryland

Hearing Officers

Office of Administrative Hearings
Baltimore, Maryland

Medical Board

John J. Fahey, M.D.
Norman Freeman, Jr., M.D.
Arthur Hildreth, M.D.
Bruce Z. Kohrn, M.D.
William B. Russell, M.D.
Claudia Thomas, M.D.
Alfred Wiedmann, M.D.

Operational Banking Services

Allfirst Financial, Inc.
Baltimore, Maryland

The Harbor Bank of Maryland
Baltimore, Maryland

Global Custodial Bank

State Street Bank and Trust Company
Boston, Massachusetts

Independent Investment Consultant

Ennis Knupp & Associates
Chicago, Illinois

Security Lending

State Street Bank and Trust Company
Boston, Massachusetts

Fixed Income Investment Managers

Fountain Capital Management, LLC
Overland Park, Kansas

Lazard Asset Management
New York, New York

Morgan Stanley Dean Witter Investment Management
West Conshohocken, Pennsylvania

Pacific Investment Management Company
Newport Beach, California

W.R. Huff Asset Management Co., LLC
Morristown, New Jersey

Asset & Income Verification Services

Financial Control Systems, Inc.
Chadds Ford, Pennsylvania

Real Estate Investment Managers

J.P. Morgan Investment Management, Inc.
New York, New York

LaSalle Investment Management, Inc.
Baltimore, Maryland

LaSalle Investment Management Securities, LL.P.
Baltimore, Maryland

Lubert-Adler Management, Inc.
Philadelphia, Pennsylvania

Sentinel Real Estate Corporation
New York, New York

TimesSquare Real Estate Investors
Hartford, Connecticut

Certificate of Achievement for Excellence in Financial Reporting

Presented to

State Retirement and Pension System of Maryland

For its Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2001

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.

President

Executive Director

FINANCIAL SECTION

Teachers' Retirement & Pension Systems

The Teachers' Retirement System was established by the General Assembly in 1927 and is the oldest plan administered by the State Retirement and Pension System of Maryland. Equally important to the retirement security of state and local teachers is the Teachers' Pension System which was established in 1980.

Today, the Teachers' Retirement and Pension Systems comprise state and local teachers of the public school systems, as well as certain employees of boards of education, public libraries and community colleges. Active membership involves over 95,000 participants.

The combined systems provide survivor, disability and retirement benefits to plan members.

DEPARTMENT OF LEGISLATIVE SERVICES
OFFICE OF LEGISLATIVE AUDITS
MARYLAND GENERAL ASSEMBLY

Karl S. Aro
Executive Director

Bruce A. Myers, CPA
Legislative Auditor

INDEPENDENT AUDITOR'S REPORT

BOARD OF TRUSTEES
STATE RETIREMENT AND
PENSION SYSTEM OF MARYLAND

We have audited the accompanying statements of plan net assets of the State Retirement and Pension System of Maryland as of June 30, 2002 and 2001, and the related statements of changes in plan net assets for the years 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 audits.

We conducted our audits in accordance with 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 audits provide 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 State Retirement and Pension System of Maryland as of June 30, 2002 and 2001, and the changes in plan net assets for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

As described in Note 2, the System has implemented the provisions of Government Accounting Standards Board Statement No. 34, *Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments*, as of June 30, 2002.

The Management's Discussion and Analysis (MD&A) 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 principally of inquiries of management regarding the methods of measurement and presentation of the MD&A. However, we did not audit the information and do not express an opinion on it.

Our audits were made for the purpose of forming an opinion on the basic financial statements taken as a whole. The accompanying required supplementary information and other supplementary information 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 our audits 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.

In accordance with *Government Auditing Standards*, we have also issued our report dated November 7, 2002 on our consideration of the State Retirement and Pension System of Maryland's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, rules, regulations and contracts. This 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 audits.

The other data included in this report have not been audited by us and, accordingly, we express no opinion on such data.

Bruce A. Myers, CPA
Legislative Auditor

November 7, 2002

301 West Preston Street • Room 1202 • Baltimore, Maryland 21201
410-946-5900/301-970-5900 • FAX 410-946-5999/301-970-5999
Other areas in Maryland 1-877-486-9964

MANAGEMENT'S DISCUSSION AND ANALYSIS

To help facilitate a better understanding of the State Retirement and Pension System of Maryland's (the "System") financial condition as of June 30, 2002, the results of its operations for the fiscal year then ended and the fiscal policies that govern its significant business operations, management has prepared this narrative analysis. This narrative is intended to supplement the System's audited financial statements and, as such should be read in conjunction with these statements, which are presented beginning on page 18.

Overview of the Financial Statements

As required by Generally Accepted Accounting Principles, the System's basic financial statements comprise the comparative Statements of Plan Net Assets and Statements of Changes in Plan Net Assets, along with the related note disclosures. In addition, the System's financial statements include certain required supplementary information (e.g., schedules of funding progress, and employer contributions) as well as other supplementary schedules considered relevant to the financial statement user (e.g., schedules of fund balances, administrative and investment expenses, plan net assets and related changes by system). To better understand the relevance of the information presented in the System's financial statements and related notes and supplementary information, it is helpful to first consider what purpose each component is intended to serve.

The Statements of Plan Net Assets present a comparative, summary-level snapshot, as of a specific point in time (i.e., June 30th – the last day of the System's fiscal year), of the market value of the net assets available to pay future pension benefits to retirees and beneficiaries. To assist the reader in understanding the composition of the System's accumulated net assets the most significant components (e.g., cash and cash-equivalent securities, investments, net assets available) are separately disclosed. In this regard, cash and cash equivalents represent that portion of the System's assets which, as of the end of the fiscal year, reside in the form of actual cash or short-term, highly liquid, investment securities. This amount gives an indication of the System's liquidity at fiscal year end. Conversely, the amounts shown as investments represent those funds invested in longer-term securities (e.g., stocks, bonds, real estate) held for the purpose of generating investment income. The sum of these assets, reduced by any liabilities owed by the System at fiscal year-end, represents the net assets held in trust to pay pension benefits.

By contrast, the Statements of Changes in Plan Net Assets are intended to show, on a comparative basis, the major categories of income earned (additions to plan net assets) and expenses incurred (deductions from plan net assets) by the System during the previous fiscal year. As such, the System's net income or loss accounts for the entire change in the net assets held in trust to pay pension benefits during the fiscal year as a result of System operations. As with the System's assets and liabilities, significant categories of income and expense, as reported on the statement of changes in plan net assets, are separately disclosed to help clarify the major sources and uses of System resources.

Finally, the note disclosures are provided as an integral component of the financial statements to help explain in narrative form some of the more complex or less obvious elements of the statements. Further, the notes to the financial statements provide additional information (e.g., significant accounting policies, categorization of custodial credit risk) that is essential for a comprehensive understanding of the System's financial condition and the results of its operations.

Beyond the basic financial statements, the System provides certain required schedules and related note disclosures that collectively demonstrate the System's annual progress toward funding its actuarial accrued liability (i.e., Schedule of Funding Progress) and discloses a ten-year history of required employer contributions (i.e., Schedule of Contributions from Employers and Other Contributing Entity). The importance of these schedules is probably best explained by reference to the previously discussed basic financial statements.

The Schedule of Funding Progress, while similar in scope to the Statements of Plan Net Assets in that it is primarily focused on reporting on the accumulation of assets, differs from such statements both in its method for valuing such assets and in its approach to explaining their relevance to the liability they are being accumulated to satisfy. In this regard, the Schedule of Funding Progress first takes a long-term, actuarial view toward valuing the System's investment portfolio, as opposed to the market value approach reflected on the Statements of Plan Net Assets. Specifically, the System's assets are valued (for funding purposes) using a methodology that distributes investment gains and losses over a five-year period in order to minimize the effects of annual market volatility on employer contribution rates. The schedule then discloses the total actuarial accrued liability as projected to reflect the estimated effects of actuarial assumptions about future membership, service credit and covered payroll. Thus computed, the actuarial value of assets and the actuarial accrued liability are compared to disclose both the changes in the amount of unfunded actuarial liability, over a ten-year period, and the System's progress toward accumulating the necessary assets. This final piece, progress toward funding the actuarial accrued liability, is measured on the schedule in two significant ways. First is the funded ratio, which measures the System's ability to pay all projected benefits as they become due. Second is the unfunded liability, as a percentage of covered payroll, which measures the participating employers' capacity to pay all contributions required to fund the actuarial liability.

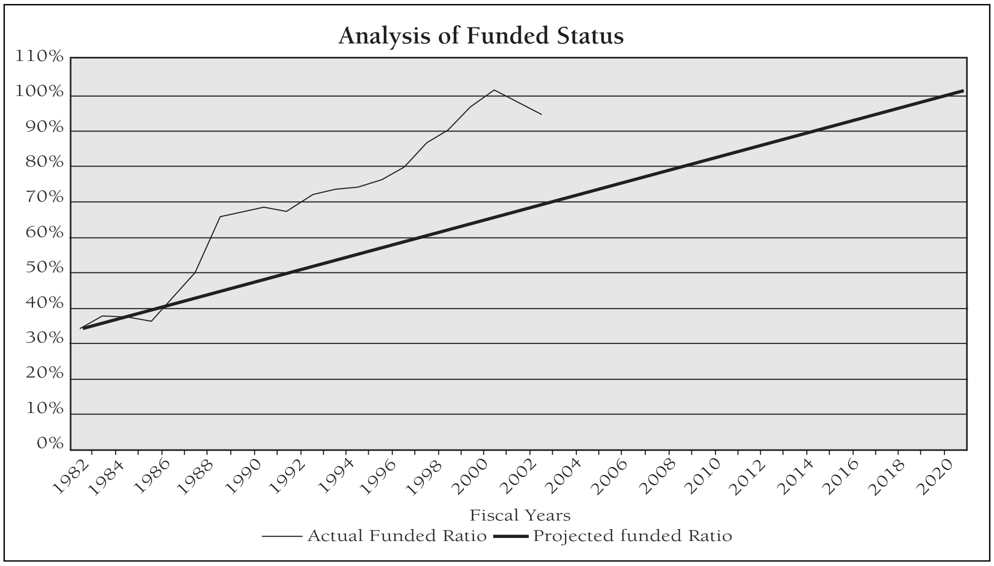
The Schedule of Contributions from Employers and Other Contributing Entity, much like the Schedule of Funding Progress, shares common characteristics with data disclosed in the basic financial statements. In this regard, both the Statements of Changes in Plan Net Assets and the Schedule of Contributions from Employers and Other Contributing Entity disclose the amount of contributions received from participating employers. However, the Schedule of Contributions from Employers and Other Contributing Entity differs from the Statements of Changes in Plan Net Assets in that the schedule's only focus is to disclose the contributions required to be made in accordance with the System's funding policy and the percentage of the required contributions actually made during the fiscal years presented.

The notes to the required supplementary information provide background information and explanatory detail to aid in understanding the required supplementary schedules. Finally, the other supplementary schedules, presented immediately after the required supplementary information, summarize the changes in fund balances, disclose major categories of operating and investment expenses, discuss the development of the System's statutory transfer refund rate and provide combining, plan-level detail related to asset, liability, income and expense amounts summarized in the basic financial statements.

Analysis of Financial Position and Results of Operations

The System's overall funding objective is to accumulate sufficient assets over time to meet its long-term benefit obligations as they become due. Accordingly, collecting employer and member contributions as well as earning an adequate long-term rate of return on its investments are essential components of the System's plan for accumulating the funds needed to finance future retirement benefits. In this regard, fiscal year 2002 was another difficult year both for the financial markets and the economy as a whole.

Contributions collected by the System continued to decline during fiscal year 2002, due primarily to a decrease in the actuarially determined employer contribution rates. Additionally, declining financial markets affected most of the economic sectors in which the System held investments during fiscal year 2002 thus producing the second consecutive year of negative investment returns for the System. As a result, the System experienced a net investment loss of $2.3 billion for fiscal year 2002. This loss, when coupled with the $600 million excess of benefits, refunds and administrative expenses incurred over employer and member contributions earned, resulted in a $2.9 billion reduction in total plan net assets for fiscal year 2002. However, despite the negative investment returns for the past two years, the System remained financially sound as of June 30, 2002 and significantly ahead of its original actuarial funding schedule, which projected the System to be fully funded by the year 2020 as shown in the following chart.



In analyzing the System's overall funded status, it is important to remember that a retirement system's funding plan is based on a long time horizon, where temporary ups and downs in the market are expected. The more critical factor is that the System be able to meet an expected earnings yield of, on average, 8 percent annual return on investments.

Revenues – Additions to Plan Net Assets

During fiscal year 2002, System revenues, which comprise employer and member contributions and earnings on investments, increased by $830 million from $(2.3) billion in fiscal year 2001 to just under $(1.5) billion in fiscal year 2002. This positive change was due primarily to better investment performance during fiscal year 2002.

Expenses – Deductions from Plan Net Assets

The System was created to provide retirement, survivor and disability benefits to qualified members and their beneficiaries. The cost of such programs includes recurring benefit payments as designated by the plan, refunds of contributions and related interest to members who either terminate employment with a participating employer or who make a qualifying transfer between certain contributory and non-contributory plans, and the cost of administering the System.

Expenses for fiscal year 2002 totaled $1.4 billion, an increase of 7 percent ($95 million) over fiscal year 2001. This increase was attributable to an increase in total benefit payments resulting from the steadily increasing number of retirees and beneficiaries in pay status. Expenses incurred to administer the System declined slightly in fiscal year 2002 after having remained fairly level for the past several years.

Requests for Information

Members of the System's Board of Trustees and senior management are fiduciaries of the pension trust fund, and as such, are charged with the responsibility of ensuring that the System's assets are used exclusively for the benefit of plan participants and their beneficiaries. This financial report is designed to provide an overview of the System's finances and to demonstrate accountability for the resources entrusted to the System for the benefit of all of the System's stakeholders. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to:

State Retirement and Pension System of Maryland
Finance Division
120 E. Baltimore Street, Suite 1660
Baltimore, Maryland 21202-1600

Statements of Plan Net Assets
as of June 30, 2002 and 2001
(Expressed in Thousands)

	2002	2001
Assets:		
Cash & cash equivalents (note 3)	$ 1,141,644	$ 919,888
Receivables:		
Contributions:		
Employers	10,228	10,104
Members	3,783	3,587
Accrued investment income	119,982	124,039
Investment sales proceeds	176,658	56,032
Total receivables	310,651	193,762
Investments, at fair value (notes 2 & 3):		
U.S. Government obligations	2,892,274	2,361,828
Domestic corporate obligations	2,743,183	3,036,115
International obligations	77,116	185,519
Domestic stocks	12,641,718	14,391,788
International stocks	4,715,043	5,632,416
Mortgages & mortgage related securities	2,005,226	2,503,790
Real estate	733,338	768,297
Alternative investments	82,090	60,280
Collateral for loaned securities	2,304,930	2,623,837
Total investments	28,194,918	31,563,870
Total assets	29,647,213	32,677,520
Liabilities:		
Accounts payable & accrued expenses	44,972	47,630
Investment commitments payable	709,284	523,553
Obligation for collateral for loaned securities	2,304,930	2,623,837
Other liabilities	1,131	1,099
Total liabilities	3,060,317	3,196,119
Net assets held in trust for pension benefits	$26,586,896	$29,481,401

(A schedule of funding progress is presented on page 29)

The accompanying notes are an integral part of these financial statements.

Statements of Changes in Plan Net Assets
for the Fiscal Years Ended June 30, 2002 and 2001

(Expressed in Thousands)

	2002	2001
Additions:		
Contributions (note 4):		
Employers	$ 234,265	$ 246,452
Members	199,304	189,769
Other	347,106	387,857
Total contributions	780,675	824,078
Investment income:		
Net depreciation in fair value of investments	(2,986,680)	(3,894,321)
Interest	467,733	531,407
Dividends	264,762	251,708
Real estate operating net income	29,161	28,048
Income before securities lending activity	(2,225,024)	(3,083,158)
Gross income from securities lending activity	67,493	146,066
Securities lending borrower rebates	(50,016)	(132,592)
Securities lending agent fees	(3,496)	(3,054)
Net income from securities lending activity	13,981	10,420
Total investment income	(2,211,043)	(3,072,738)
Less investment expenses (note 2f)	(54,272)	(66,025)
Net investment income	(2,265,315)	(3,138,763)
Total additions	(1,484,640)	(2,314,685)
Deductions:		
Benefit payments	1,372,325	1,272,804
Refunds (note 5)	17,476	16,977
Administrative expenses (note 2f)	20,064	24,823
Total deductions	1,409,865	1,314,604
Net decrease in plan assets	(2,894,505)	(3,629,289)
Net assets held in trust for pension benefits:		
Beginning of the fiscal year	29,481,401	33,110,690
End of the fiscal year	$26,586,896	$29,481,401

The accompanying notes are an integral part of these financial statements.

NOTES TO THE FINANCIAL STATEMENTS

1. General Description of the System

a. Organization

The State Retirement Agency (the "Agency") is the administrator of the State Retirement and Pension System of Maryland (the "System"), an agent multiple-employer public employee retirement system. The System was established by the State Personnel and Pensions Article of the Annotated Code of Maryland to provide retirement allowances and other benefits to State employees, teachers, police, judges, legislators and employees of participating governmental units. Responsibility for the System's administration and operation is vested in a 14-member Board of Trustees.

The State of Maryland is the statutory guarantor for the payment of all pensions, annuities, retirement allowances, refunds, reserves and other benefits of the System. The Agency is legally authorized to use all assets accumulated for the payment of benefits to pay such obligations to any plan member or beneficiary as defined by the terms of the plan. Consequently, the System is accounted for as a single plan as defined in Governmental Accounting Standards Board (GASB) Statement No. 25, *"Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans."* Additionally, the System is fiscally dependent on the State by virtue of the legislative and executive controls exercised with respect to its operations, policies and administrative budget. Accordingly, the System is included in the State's reporting entity and disclosed in its financial statements as a pension trust fund.

The System comprises the Teachers' Retirement and Pension Systems, Employees' Retirement and Pension Systems, State Police Retirement System, Judges' Retirement System, Law Enforcement Officers' Pension System and the Local Fire and Police System.

b. Covered Members

The Teachers' Retirement System was established on August 1, 1927 to provide retirement allowances and other benefits to teachers in the State. Effective January 1, 1980, the Teachers' Retirement System was closed to new members and the Teachers' Pension System was established. As a result, teachers hired after December 31, 1979 become members of the Teachers' Pension System as a condition of employment. Members remaining in the Teachers' Retirement System have the opportunity to irrevocably elect to transfer to the Teachers' Pension System. For those transferring, all prior service credit and member contributions on earnings above the social security wage base are transferred from the Teachers' Retirement System to the Teachers' Pension System, with member contributions on earnings up to the social security wage base being refunded (see note 5).

On October 1, 1941, the Employees' Retirement System was established to provide retirement allowances and other benefits to State employees, elected and appointed officials and the employees of participating governmental units. Effective January 1, 1980, the Employees' Retirement System was essentially closed to new members and the Employees' Pension System was established. As a result, State employees (other than correctional officers) and employees of participating governmental units hired after December 31, 1979 become members of the Employees' Pension System as a condition of employment, while all State correctional officers and members of the Maryland General Assembly continue to be enrolled as members of the Employees' Retirement System. State employees and employees of participating governmental units remaining in the Employees' Retirement System have the opportunity to irrevocably elect to transfer to the Employees' Pension System. For those transferring, all prior service credit and member contributions on earnings above the social security wage base are transferred from the Employees' Retirement System to the Employees' Pension System with member contributions on earnings up to the social security wage base being refunded (see note 5). Currently, 130 governmental units participate in the Employees' Systems.

The State Police Retirement System was established on July 1, 1949 to provide retirement allowances and other benefits to any police employee or cadet of the Maryland State Police.

The Judges' Retirement System was established on June 30, 1969 to provide retirement allowances and other benefits for State and local, appointed or elected judges.

The Law Enforcement Officers' Pension System was established on July 2, 1990 to provide retirement allowances and other benefits for certain State and local law enforcement officers. This System includes both retirement plan and pension plan provisions which are applicable to separate portions of this System's membership. The retirement plan provisions are only applicable to those members who, on the date they elected to participate in this System, were members of the Employees' Retirement System. This System's pension plan provisions are applicable to all other participating law enforcement officers.

The Local Fire and Police System was established on July 1, 1989 to provide retirement allowances and other benefits for law enforcement officers and fire fighters employed by participating governmental units. This System includes both retirement plan and pension plan provisions which are applicable to separate portions of this System's membership. The retirement plan provisions are only applicable to those officers and fire fighters who, on the date they elected to participate in this System, were members of the Employees' Retirement System. This System's pension plan provisions are applicable to all other participating governmental unit law enforcement officers and fire fighters.

The following table presents a summary of membership by system as of June 30, 2002, with comparative 2001 totals:

	Inactive & Deferred Vested	Retirees & Beneficiaries	Active Plan Participants		
			Vested	Non-vested	Total
Teachers' Retirement and Pension Systems	18,040	41,920	61,607	34,749	96,356
Employees' Retirement and Pension Systems	26,176	43,109	58,095	32,211	90,306
Judges' Retirement System	10	311	281	–	281
State Police Retirement System	27	1,598	1,186	403	1,589
Local Fire and Police System	36	26	123	58	181
Law Enforcement Officers' Pension System	66	403	966	444	1,410
Totals as of June 30, 2002	44,355	87,367	122,258	67,865	190,123
Totals as of June 30, 2001	43,199	84,185	120,856	63,744	184,600

c. Summary of Significant Plan Provisions

All plan benefits are specified by the State Personnel and Pensions Article of the Annotated Code of Maryland. Retirement allowances are computed using both the highest three years' average final salary (AFS) and the actual number of years of accumulated creditable service. Pension allowances are computed using both the highest three consecutive years' AFS and the actual number of years of accumulated creditable service. Various retirement options are available under each system which ultimately determine how a retiree's benefit allowance will be computed. Some of these options require actuarial reductions based on the retiree's and/or designated beneficiary's attained age and similar actuarial factors. A brief summary of the retirement eligibility requirements of, and the benefits available under, the various systems follows:

Service Retirement Allowances

A member of either the Teachers' or Employees' Retirement System is generally eligible for full retirement benefits upon the earlier of attaining age 60 or accumulating 30 years of eligibility service regardless of age. The annual retirement allowance equals 1/55 (1.8%) of the member's AFS multiplied by the number of years of accumulated creditable service.

A member of either the Teachers' or Employees' Pension System is eligible for full retirement benefits upon the earlier of attaining age 62, with specified years of eligibility service, or accumulating 30 years of eligibility service regardless of age. Generally, the annual pension allowance for a member of either the Teachers' or Employees' Pension System equals 1.2% of the member's AFS, multiplied by the number of years of creditable service accumulated prior to July 1, 1998, plus 1.4% of the member's AFS, multiplied by the number of years of creditable service accumulated subsequent to June 30, 1998. However, the annual pension allowance for a member of the Employees' Pension System, who is employed by a participating governmental unit that does not provide the enhanced pension benefits, equals 0.8% of the member's AFS up to the social security integration level (SSIL), plus 1.5% of the member's AFS in excess of the SSIL, multiplied by the number of years of accumulated creditable service. For the purpose of computing pension allowances, the SSIL is the average of the social security wage bases for the past 35 calendar years ending with the year the retiree separated from service.

A member of the State Police Retirement System is eligible for full retirement benefits upon the earlier of attaining age 50 or accumulating 22 years of eligibility service regardless of age. The annual retirement allowance equals 2.55% of the member's AFS multiplied by the number of years of accumulated creditable service and may not exceed 71.4% of the member's AFS.

A member of the Judges' Retirement System is eligible for full retirement benefits upon attaining age 60. The annual retirement allowance for a member with at least 16 years of accumulated creditable service equals 2/3 (66.7%) of the salary of an active judge holding a comparable position. The annual retirement allowance is prorated if the member retires with fewer than 16 years of accumulated creditable service.

A member of the Law Enforcement Officers' Pension System is eligible for full retirement benefits upon the earlier of attaining age 50 or accumulating 25 years of eligibility service regardless of age. The annual retirement allowance for a member who is covered under the retirement plan provisions equals 1/50 (2.0%) of the member's AFS multiplied by the number of years of accumulated creditable service up to 30 years, plus 1/100 (1.0%) of the member's AFS multiplied by the number of years of accumulated creditable service in excess of 30 years. For members subject to the pension provisions, full service pension allowances equal 2.0% of AFS up to a maximum benefit of 60% (30 years of credit).

A member of the Local Fire and Police System who is covered under the retirement plan provisions is eligible for full retirement benefits upon the earlier of attaining age 60 or accumulating 25 years of eligibility service regardless of age. The annual retirement allowance equals 1/50 (2.0%) of the member's AFS multiplied by the number of years of accumulated creditable service up to 30 years, plus 1/100 (1.0%) of the member's AFS multiplied by the number of years of accumulated creditable service in excess of 30 years. A member who is covered under the pension plan provisions is eligible for full pension benefits upon the earlier of attaining age 62 or accumulating 25 years of eligibility service regardless of age. The annual pension allowance equals 1.0% of the member's AFS up to the SSIL, plus 1.5% of the member's AFS in excess of the SSIL, multiplied by the number of years of accumulated creditable service.

Vested Allowances

Any member (other than a judge) who terminates employment before attaining retirement age but after accumulating 5 years of eligibility service is eligible for a vested retirement allowance. Judges have no minimum service requirements prior to vesting. A member who terminates employment prior to attaining retirement age and before accumulating 5 years of eligibility service receives a refund of all member contributions and interest.

Early Service Retirement

A member of either the Teachers' or Employees' Retirement System may retire with reduced benefits after completing 25 years of eligibility service. Benefits are reduced by 0.5% per month for each month remaining until the retiree either attains age 60 or would have accumulated 30 years of eligibility service, whichever is less. The maximum reduction for a Teachers' or Employees' Retirement System member is 30%. A member of either the Teachers' or Employees' Pension System may retire with reduced benefits upon attaining age 55 with at least 15 years of eligibility service. Benefits are reduced by 0.5% per month for each month remaining until the retiree attains age 62. The maximum reduction for a Teachers' or Employees' Pension System member is 42%. Members of the State Police, Judges', Law Enforcement Officers' and Local Fire and Police Systems are not eligible for early service benefits.

Disability and Death Benefits

Generally, a member covered under retirement plan provisions who is permanently disabled after 5 years of service receives a service allowance based on a minimum percentage (usually 25%) of the member's AFS. A member covered under pension plan provisions who is permanently disabled after accumulating 5 years of eligibility service receives a service allowance computed as if service had continued with no change in salary until the retiree attained age 62. A member (other than a member of the Maryland General Assembly or a judge, both of which are ineligible for accidental disability benefits) who is permanently and totally disabled as the result of an accident occurring in the line of duty receives 2/3 (66.7%) of the member's AFS plus an annuity based on all member contributions and interest. Death benefits are equal to a member's annual salary as of the date of death plus all member contributions and interest.

Adjusted Retirement Allowances

Retirement and pension allowances are increased annually to provide for changes in the cost of living according to prescribed formulae. Such adjustments for retirees are based on the annual change in the consumer price index. Generally, for Teachers' and Employees' Pension System retirees, the pension allowance adjustments are limited to 3% of the preceding year's allowance. However, annual increases to pension allowances for Employees' Pension System retirees who were employed by a participating governmental unit that does not provide enhanced pension benefits are limited to 3% of the initial allowance. Retirement allowances for legislators and judges are recalculated when the salary of an active member holding a comparable position is increased.

2. Summary of Significant Accounting Policies

a. Basis of Accounting

The System's financial statements are prepared on the accrual basis of accounting. Accordingly, investment purchases and sales are recorded as of their respective trade dates and all contributions, benefits and refunds are recognized in the period when due. In accordance with GASB Statement No. 20, ***"Accounting and Financial Reporting for Proprietary Funds and Other Governmental Entities that use Proprietary Fund Accounting"***, the System has elected to apply all applicable GASB pronouncements and only Financial Accounting Standards Board Statements and Interpretations, Accounting Principles Board Opinions and Accounting Research Bulletins issued on or before November 30, 1989.

In June 1999 the GASB issued Statement No. 34, ***"Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments"*** (GASB 34). The requirements of this Statement are effective for periods beginning after June 15, 2001. In June 2001 the GASB issued Statement No. 37, ***"Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments: Omnibus"*** (GASB 37), which amended certain provisions of GASB 34. The adoption of GASB 34 and 37 requires the presentation of a Management's Discussion and Analysis (MD&A). The MD&A is considered to be required supplementary information and precedes the financial statements. The adoption of GASB 34 and 37 did not have any impact on the net plan assets available for pension benefits.

b. Investment Limitations

The State Personnel and Pensions Article of the Annotated Code of Maryland authorizes the System to invest plan assets in stocks, bonds, notes, certificates of indebtedness, mortgage notes, real estate, debentures or other obligations, subject to the terms, conditions, limitations and restrictions imposed by the Board of Trustees of the State Retirement and Pension System of Maryland. As such, no more than 25% of the assets invested in common stocks may be invested in non-dividend paying common stocks. In addition, no investment in any one organization may constitute more than 5% of the total assets of the System (valued at cost). The System did not exceed either of these investment limits.

c. Portfolio Valuation Method

The System investments are reported at fair value. For fixed income securities, fair value is based on quoted market prices provided by independent pricing services. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Mortgages and mortgage related securities are valued on the basis of future principal and interest payments and are discounted at prevailing interest rates for similar instruments. Fair value for real estate investments is based on estimated current values and independent appraisals. Fair value for alternative investments and mutual funds (other than those funds traded on a national or international exchange) is based on information provided by the applicable fund managers. Investment amounts presented in the Statements of Plan Net Assets represent the fair value of the respective portfolios as of the fiscal year-end. Similarly, investment income amounts reported in the Statements of Changes in Plan Net Assets represent the income or loss derived from such investments for the year then ended. Accordingly, significant market fluctuations could periodically occur subsequent to the financial statement valuation date, which are not reflected in either the fair value of investments or the related investment income presented in these financial statements.

d. Securities Lending

The System's investment policies, as approved by the Board of Trustees, permit the System's custodial bank to lend System securities to broker-dealers and other entities. During fiscal year 2002, the System's custodial bank loaned securities of the type on loan at year-end for collateral in the form of cash (see note 3b), other securities, or letters of credit of at least 102% of the fair value of domestic securities and international fixed income securities and 105% of the fair value of international equity securities. Collateral is marked-to-market daily. If the market value of the pledged collateral falls below the specified levels, additional collateral is required to be pledged by the close of the next business day. Each such loan was executed with a simultaneous agreement to return the collateral for the same securities in the future. Securities on loan at year-end for cash collateral are presented as uncategorized in the schedule of custodial credit risk (see note 3). Securities on loan at year-end for collateral other than cash are categorized according to the custodial credit risk category applicable to the collateral received. In the event of a borrower's default, the System's custodial bank is obligated to indemnify the System if, and to the extent that, the fair value of collateral is insufficient to replace the loaned securities. Similarly, in the event of a borrower's failure to remit income distributions declared by the issuers of securities on loan, the System's custodial bank is obligated to indemnify the System for any portion of such distributions not recoverable from the borrower's collateral. The System has not experienced any loss due to credit or market risk on security lending activity since inception of the program. Further, as of June 30, 2002, the System had no credit risk exposure to borrowers because the fair value of collateral held exceeded the fair value of securities loaned.

Although the average term of the System's security loans is one week, each loan can be terminated at will by either the System or the borrower. Cash collateral is invested in one of the lending agent's short-term investment pools, which at June 30, 2002 had an average weighted maturity of one hundred forty-four days and an interest rate sensitivity duration of sixty-nine days. Because the relationship between the maturities of the investment pools and the System's security loans is affected by the maturities of the loans made by other entities that use the agent's pools, the System cannot match maturities. The System cannot pledge or sell collateral securities received unless and until a borrower defaults. Investments made with cash received as collateral and the corresponding liabilities are reported in the Statements of Plan Net Assets.

At June 30, 2002, the fair value of loaned securities and the related collateral were as follows *(expressed in thousands)*:

	Fair Value	Collateral	Percent Collateralized
International equity securities	$758,879	$774,158	102.0%
Fixed and domestic equity securities	1,586,094	1,626,670	102.6%
Totals	$2,344,973	$2,400,828	

e. **Derivatives**

The System may invest in derivatives as permitted by guidelines established by the Board of Trustees. Compliance with these guidelines is monitored by Agency staff. Pursuant to such authority, the System invests in foreign currency forward contracts, options, futures, collateralized mortgage obligations, mortgage related securities, interest-only and principal-only securities. No derivatives were purchased with borrowed funds.

Derivatives are generally used to hedge against foreign currency risk and changes in interest rates, improve yield and adjust the duration of the System's fixed income portfolio. These securities are subject to changes in value due to changes in interest rates or currency valuations. Additionally, mortgage related securities are subject to prepayment risk when interest rates are falling. Credit risk for derivatives results from the same considerations as other counterparty risk assumed by the System, which is the risk that the counterparty might be unable to meet its obligations.

The System invests in foreign currency forward contracts to hedge the currency risk in its international and global portfolios. Because the fair value of foreign currency forward contracts is not included in the fair value of investments reported on the Statements of Plan Net Assets, the following schedule is presented to summarize the fair value of all foreign currency forward contracts outstanding as of June 30, 2002 *(expressed in thousands)*:

Purchases		
Currency	Amount (local currency)	Fair Value
Australian dollar	13,898	$ 7,795
Euro currency	100,412	98,873
Japanese yen	512,879	4,283
U.S. dollar	67,618	67,618
Total purchases		$178,569

Sales		
Currency	Amount (local currency)	Fair Value
Australian dollar	7,503	$ 4,206
Canadian dollar	23,507	15,441
Japanese yen	15,921,675	133,147
Pound sterling	11,966	18,124
U.S. dollar	8,773	8,773
Total sales		$179,691

f. **Administrative and Investment Expenses**

All of the System's administrative and investment expenses (e.g., salaries of Agency employees, investment advisory fees) are incurred centrally and charged to each individual retirement or pension system on the basis of its percentage ownership in the System's net assets. All of the System's administrative and investment expenses are funded from investment income. See pages 33 and 34 for detailed schedules of administrative and investment expenses, respectively.

g. Federal Income Tax Status

During the fiscal years ended June 30, 2002 and 2001, the System qualified under Section 401(a) of the Internal Revenue Code and was exempt from federal income taxes under Section 501(a) of the Code.

h. Reclassifications

Certain reclassifications were made to the 2001 financial statements to conform to the 2002 financial statement presentation.

3. Cash Deposits and Investments

Cash and cash equivalents totaled $1,141,644,000 and $919,888,000 as of June 30, 2002 and 2001, respectively. Included as cash equivalents for financial statement presentation purposes were certain short-term investments (e.g., commercial paper, repurchase agreements) which are categorized in note 3b for custodial credit risk purposes as investments. These cash equivalent investments totaled $1,104,467,000 and $886,841,000 as of June 30, 2002 and 2001, respectively.

a. Cash Deposits

Cash deposits are categorized to give an indication of the level of custodial credit risk assumed by the System. Category 1 includes deposits insured or collateralized with securities held by the System or its agent in the System's name. Category 2 includes deposits collateralized with securities held by the pledging financial institution's trust department or agent in the System's name. Category 3 includes deposits which are uncollateralized. As of June 30, 2002, the carrying amount of both the System's uninsured and uncollateralized deposits and bank balance was $37,177,000 and comprises the System's Category 3 assets. Due to significantly higher cash flows at certain times of the year, the System's uninsured and uncollateralized deposits and bank balances increased significantly; as a result, the amounts of uninsured and uncollateralized deposits and bank balances at those times were significantly higher.

b. Investments

The System's investments are categorized to give an indication of the level of custodial credit risk assumed by the System. Category 1 includes investments insured or registered or for which the securities are held by the System's custodial bank in the System's name. Category 2 includes uninsured and unregistered investments for which the securities are held by a counterparty's trust department or agent in the System's name. Category 3 includes uninsured and unregistered investments for which the securities are held by a counterparty, its trust department or its agent, but not in the System's name.

All of the System's investments that are eligible for categorization meet the criteria of Category 1. All other investments are not categorized because they are not evidenced by securities that exist in physical or book entry form.

The following table presents a summary of the System's investments, by category of custodial credit risk as of June 30, 2002, with comparative 2001 totals (*expressed in thousands*):

		Carrying Value	
	Category 1	**2002**	**2001**
Investments			
Commercial paper	$ 323,667	$ 323,667	$ 336,236
Repurchase agreements	0	0	8,549
U.S. Government obligations	1,687,211	1,687,211	1,196,979
Domestic corporate obligations	2,701,177	2,701,177	2,953,636
Mortgage related securities	2,002,347	2,002,347	2,500,014
Domestic stocks	9,067,542	9,067,542	10,245,420
International obligations	4,847	4,847	69,737
International stocks	3,956,873	3,956,873	4,095,778
Total investments to be categorized	$19,743,664	19,743,664	21,406,349
Mutual funds		3,400,318	4,507,766
Real estate		733,338	768,297
Mortgages		2,879	3,776
Alternative investments		82,090	60,280
Global pooled short-term investments		780,800	542,056
Investments held by borrowers under securities loans with cash collateral:			
U.S. Government obligations		1,205,063	1,164,849
Domestic corporate obligations		42,006	82,479
Domestic stocks		246,127	222,017
International stocks		758,170	1,069,005
Collateral for loaned securities		2,304,930	2,623,837
Total invested assets		$29,299,385	$32,450,711

4. Contributions

The State Personnel and Pensions Article requires both active members and their respective employers to make contributions to the System. Rates for required contributions by active members are established by law. Members of the Teachers' and Employees' Retirement Systems are required to contribute 7% or 5% of earnable compensation depending upon the retirement option selected. Members of the State Police and Judges' Retirement Systems are required to contribute 8% and 6% of earnable compensation, respectively. Generally, members of the Teachers' and Employees' Pension Systems are required to contribute 2% of earnable compensation. However, members of the Employees' Pension System who are employed by a participating governmental unit that does not provide the enhanced pension benefits are required to contribute 5% of earnable compensation in excess of the social security taxable wage base.

Contribution rates for employer and other "non-employer" contributing entities are established by annual actuarial valuations using the entry age normal cost method with projection and other actuarial assumptions adopted by the Board of Trustees. These contribution rates have been established as the rates necessary to fully fund normal costs and amortize the unfunded actuarial accrued liability.

The unfunded actuarial liability is being amortized in distinct layers. The unfunded actuarial accrued liability which existed as of the June 30, 2000 actuarial valuation is being amortized over a 40-year period (as provided by law) from July 1, 1980. Also as provided by law, any new unfunded liabilities or surpluses arising during the fiscal year ended June 30, 2001, or any fiscal year thereafter, will be amortized over a 25-year period from the end of the fiscal year in which the liability or surplus arose.

Effective July 1, 2002, the law provides that the contribution rates may be more or less than the actuarially determined rates as described above for the Employees' Retirement and Pension Systems and the Teachers' Retirement and Pension Systems. When the funding ratio for each of the combined Systems is at least 90% but not more than 110%, the contribution rate will be the rate certified by the Board of Trustees for the previous fiscal year, adjusted to reflect legislative changes that result in changes to the normal cost. If the funding ratio is below 90%, the contribution rate will be the sum of the contribution rate for the previous fiscal year and 20% of the difference between the full funding rate for the current fiscal year and the contribution rate for the previous fiscal year. If the funding ratio is above 110%, the contribution rate will be the difference between 1.) the contribution rate for the previous fiscal year and 2.) 20% of the difference between the contribution rate for the previous fiscal year and the full funding rate for the current fiscal year.

The State of Maryland (which is also a non-employer contributor to the Teachers' Retirement and Pension Systems and the Judges' Retirement System), the Maryland Automobile Insurance Fund, the Injured Workers' Insurance Fund and 130 participating governmental units make all of the employer and other (non-employer) contributions to the System.

5. Refunds

Member contributions plus interest may be refunded to a member who withdraws from the System, or to the designated beneficiary following a member's death. In addition, members of the Teachers' and Employees' Retirement Systems who elect to transfer to the corresponding pension system receive refunds of all or part (if earnings have been greater than the social security taxable wage base) of their contributions plus interest. That portion of any member's contributions not refunded is transferred with credited interest to the applicable pension system. Employer contributions may also be refunded with interest to any participating governmental unit electing to withdraw from the System. For the fiscal years ended June 30, 2002 and 2001, refunds to members and withdrawing employers were as follows (***expressed in thousands***):

	2002	2001
Member refunds	$ 16,344	$16,977
Employer refunds	1,132	-
Total refunds	$ 17,476	$16,977

REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Funding Progress
(Expressed in Thousands)

Actuarial Valuation Date June 30,	Actuarial Value of Assets a	Actuarial Accrued Liability (AAL) b	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll c	UAAL as a Percentage of Covered Payroll [(b - a) / c]
1993	$15,684,924	$21,175,256	$5,490,332	74.07%	$5,064,529	108 %
1994	16,272,577	21,875,463	5,602,886	74.39	5,246,249	107
1995	17,666,582	23,092,537	5,425,955	76.50	5,532,150	98
1996	19,455,280	24,240,883	4,785,603	80.26	5,640,834	85
1997	21,920,696	25,383,206	3,462,510	86.36	5,657,385	61
1998	24,850,355	27,416,935	2,566,580	90.64	5,900,456	43
1999*	27,646,579	28,475,380	828,801	97.09	6,312,417	13
2000	30,649,380	30,279,866	(369,514)	101.22	6,725,870	(5)
2001	31,914,778	32,469,942	555,164	98.29	7,255,036	8
2002	32,323,263	34,131,284	1,808,121	94.70	7,867,794	23

*The 1999 actuarial accrued liability does not include an additional $153 million liability due to municipal employers voluntarily electing enhanced benefits during the period July 1, 1999 to December 31, 1999.

Schedule of Contributions from Employers and Other Contributing Entity
(Expressed in Thousands)

Fiscal Year Ended June 30,	Annual Required Contributions	Percentage Contributed
1993	$667,553	100 %
1994	657,429	100
1995	689,342	100
1996	721,615	100
1997	740,258	100
1998	735,788	100
1999	693,353	100
2000	682,422	100
2001	634,309	100
2002	581,371	100

NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

1. Description of Schedule of Funding Progress

The Schedule of Funding Progress summarizes the actuarial value of the System's assets and actuarial accrued liability as of June 30, 2002 and each of the nine preceding fiscal years. The data presented in the schedule were obtained from the System's independent actuary's annual valuation report for each year presented.

The schedule is presented to provide a consistent basis for measuring the System's annual progress toward funding its actuarial accrued liability in accordance with its actuarial funding method. The primary measure of funding progress is the System's funded ratio (i.e., actuarial value of assets expressed as a percentage of the actuarial accrued liability). An increase in the funded ratio indicates improvement in the System's ability to pay all projected benefits as they become due. The System is fully funded if the funded ratio is greater than or equal to 100 percent. During the year ended June 30, 2002, the System's funded ratio decreased from 98.29 percent to 94.70 percent.

The Schedule of Funding Progress also discloses the relationship between the System's covered payroll (i.e., all elements included in compensation paid to active members on which contributions are based) and the unfunded actuarial accrued liability. This relationship, expressed as a ratio, is a measure of the significance of the unfunded actuarial accrued liability relative to the capacity to pay all contributions required to fund the liability. A decrease in this ratio indicates improvement in the System's strength. During the year ended June 30, 2002, the System's ratio of the unfunded actuarial accrued liability to its covered payroll went from 8 percent to 23 percent.

2. Actuarial Methods and Assumptions

a. Funding Method

The System uses the entry age normal cost method with projection to determine the actuarial accrued liability on which future employer contribution rates will be based. Under this funding method, a total contribution rate is determined which consists of two elements, the normal cost rate and the unfunded actuarial liability rate (see note 4).

The unfunded actuarial accrued liability (UAAL) is being amortized, as a level percentage of payroll, in distinct pieces. The UAAL which existed as of the June 30, 2000 actuarial valuation is being amortized over the remaining 18-year period to June 30, 2020. Each new layer of UAAL arising subsequent to the year ended June 30, 2000 is being amortized in separate annual layers over a 25-year period.

b. Asset Valuation Method

Assets are valued for funding purposes using a five-year moving average. Under this method, the year end actuarial asset value equals 1/5 of the current fiscal year end fair value, as reported in the financial statements, plus 4/5 of the "expected market value". For purposes of this calculation, the "expected market value" is the preceding fiscal year's actuarial asset value, adjusted for the current fiscal year's cash flows with interest accumulated at the actuarial assumed rate of return on investments.

c. Actuarial Assumptions

The assumptions used for the actuarial valuation were recommended by the System's independent actuary, based upon periodic analyses of the System's experience, and adopted by the Board of Trustees. Differences between assumed and actuarial experience (i.e., actuarial gains and losses) are part of the unfunded actuarial liability. The following significant assumptions were used in the actuarial valuation as of June 30, 2002:

- a rate of return on investments of 8 percent compounded annually (adopted June 30, 1998);
- projected salary increases of 5 percent compounded annually, attributable to inflation (adopted June 30, 1988);

- additional projected salary increases ranging from 0.94 percent to 6.82 percent per year attributable to seniority and merit (adopted June 30, 1988);
- post-retirement benefit increases ranging from 3 percent to 6 percent per year depending on the system (adopted June 30, 1982);
- rates of mortality, termination of service, disablement and retirement based on actual experience during the period from 1981 through 1996 (adopted June 30, 1998); and
- an increase in the aggregate active member payroll of 5 percent annually (adopted June 30, 1988).

OTHER SUPPLEMENTARY INFORMATION

Fund Balance Accounts

As provided by law, all System assets must be credited, according to the purpose for which they are held, to either the Annuity Savings Fund, the Accumulation Fund or the Expense Fund. These funds are classified as accounts for financial reporting purposes and are further explained as follows:

a. Annuity Savings Fund:

Members' contributions together with interest thereon, at statutory interest rates, are credited to the Annuity Savings Fund. Upon retirement, members' accumulated contributions and interest are transferred from the Annuity Savings Fund to the Accumulation Fund.

b. Accumulation Fund:

Contributions made by employers, other contributions and investment income are credited to the Accumulation Fund. All retirement, disability and death benefits are paid from this Fund.

c. Expense Fund:

All expenses for the administration and operation of the System are recorded in the Expense Fund. During the year, funds are transferred from the Accumulation Fund to the Expense Fund to cover expenses incurred.

Schedule of Fund Balances
for the Fiscal Year Ended June 30, 2002 (with Comparative 2001 Totals)
(Expressed in Thousands)

	Annuity Savings Fund	Accumulation Fund	Expense Fund	Totals 2002	Totals 2001
Fund balances, beginning of year	$1,752,988	$27,728,413	$ -	$29,481,401	$33,110,690
Additions:					
Net investment income	-	(2,211,043)	(54,272)	(2,265,315)	(3,138,763)
Contributions (note 4):					
Employers	-	234,265	-	234,265	246,452
Members	199,304	-	-	199,304	189,769
Other	-	347,106	-	347,106	387,857
Deductions:					
Benefit payments	-	(1,372,325)	-	(1,372,325)	(1,272,804)
Refunds (note 5)	(16,344)	(1,132)	-	(17,476)	(16,977)
Administrative expenses (note 2f)	-	-	(20,064)	(20,064)	(24,823)
Transfers:					
From the Accumulation Fund to the Annuity Savings Fund for interest credited to members' accounts	78,726	(78,726)	-	-	-
To the Accumulation Fund from the Annuity Savings Fund for contributions of retiring members	(155,893)	155,893	-	-	-
From the Accumulation Fund to the Expense Fund for administrative and investment expenses	-	(74,336)	74,336	-	-
Net changes in fund balances	105,793	(3,000,298)	-	(2,894,505)	(3,629,289)
Fund balances, end of year	$1,858,781	$24,728,115	$ -	$26,586,896	$29,481,401

Schedule of Administrative Expenses
for the Fiscal Years Ended June 30, 2002 and 2001
(Expressed in Thousands)

	2002	2001
Personnel services:		
Staff salaries	$ 9,240	$ 8,736
Fringe benefits	2,372	2,190
Total personnel services	11,612	10,926
Professional and contractual services:		
Actuarial	163	221
Legal and financial	364	187
Data processing	3,882	9,117
Other contractual services	392	371
Total professional and contractual services	4,801	9,896
Miscellaneous:		
Communications	1,146	1,074
Rent	1,475	1,314
Equipment and supplies	282	887
Other	748	726
Total miscellaneous	3,651	4,001
Total administrative expenses	$20,064	$24,823

Schedule of Investment Expenses
for the Fiscal Years Ended June 30, 2002 and 2001
(Expressed in Thousands)

	2002	2001
Investment advisors:		
Equity managers	$35,340	$48,869
Fixed managers	8,157	8,117
Real estate managers	9,368	7,748
Total investment advisory fees	52,865	64,734
Other investment service fees:		
Master custody	821	634
Income verification services	284	259
Other investment expenses	302	398
Total other investment service fees	1,407	1,291
Total investment expenses	$54,272	$66,025

Transfer Refund Rate

Members of the Teachers' and Employees' Retirement Systems who elect to transfer to the corresponding pension systems receive transfer refunds. Such refunds include interest calculated using the transfer refund rate in effect for the calendar year in which the transfer becomes effective. The transfer refund rate is determined at the end of each fiscal year for the upcoming calendar year in accordance with Title 22 of the State Personnel and Pensions Article of the Annotated Code of Maryland and the related regulations. Accordingly, the refund interest rate is required to be calculated using realized investment income and total investments valued at their historical cost. The transfer refund rates in effect for calendar years 2002 and 2001 were 10.2 and 11.7 percent, respectively. For purposes of computing the 2002 and 2001 transfer refund rates, the following cost basis financial data, in addition to certain preceding years' cost basis financial data, were used *(expressed in thousands)*:

	Fiscal year 2001 data	Fiscal year 2000 data
Realized investment income	$ 951,358	$ 2,641,213
Cost basis of investments	26,773,752	26,374,554

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SCHEDULE OF PLAN NET
AS OF JUNE 30, 2002
(Expressed in Thousands)

	Teachers' Retirement and Pension Systems	Employees' Retirement and Pension Systems	Judges' Retirement System
Assets:			
Cash & cash equivalents (note 3)	$ 703,400	$ 361,292	$ 10,740
Receivables:			
Contributions:			
Employers	2	8,894	25
Members	301	3,121	2
Accrued investment income	74,037	40,940	742
Investment sales proceeds	106,676	60,711	1,335
Due from other systems	175	809	-
Total receivables	181,191	114,475	2,104
Investments, at fair value (notes 2 & 3):			
U.S. Government obligations	1,828,780	981,270	12,456
Domestic corporate obligations	1,721,602	931,116	13,840
International obligations	46,711	26,231	654
Domestic stocks	7,484,443	4,390,210	104,502
International stocks	2,791,325	1,637,631	38,952
Mortgages & mortgage related securities	1,273,783	680,123	7,713
Real estate	434,602	254,220	6,119
Alternative investments	48,612	28,496	680
Collateral for loaned securities	1,376,368	784,689	22,647
Total investments	17,006,226	9,713,986	207,563
Total assets	17,890,817	10,189,753	220,407
Liabilities:			
Accounts payable & accrued expenses	28,237	14,244	468
Investment commitments payable	433,469	242,041	5,091
Obligation for collateral for loaned securities	1,376,368	784,689	22,647
Other liabilities	671	392	10
Due to other systems	-	989	-
Total liabilities	1,838,745	1,042,355	28,216
Net assets held in trust for pension benefits	$ 16,052,072	$ 9,147,398	$ 192,191
(A schedule of funding progress is presented on page 29)			

* Intersystem due from/due to have been eliminated in the financial statements.

Assets by System

State Police Retirement System	Local Fire and Police System	Law Enforcement Officers' Pension System	Subtotal	Eliminations*	Total
$ 47,787	$ 1,676	$ 16,749	$ 1,141,644	$ -	$ 1,141,644
257	-	1,050	10,228	-	10,228
261	-	98	3,783	-	3,783
3,562	28	673	119,982	-	119,982
6,757	54	1,125	176,658	-	176,658
2	1	2	989	(989)	-
10,839	83	2,948	311,640	(989)	310,651
57,512	427	11,829	2,892,274	-	2,892,274
62,713	485	13,427	2,743,183	-	2,743,183
2,830	24	666	77,116	-	77,116
582,688	4,573	75,302	12,641,718	-	12,641,718
217,361	1,703	28,071	4,715,043	-	4,715,043
36,152	260	7,195	2,005,226	-	2,005,226
33,723	272	4,402	733,338	-	733,338
3,782	30	490	82,090	-	82,090
97,096	841	23,289	2,304,930	-	2,304,930
1,093,857	8,615	164,671	28,194,918	-	28,194,918
1,152,483	10,374	184,368	29,648,202	(989)	29,647,213
1,778	13	232	44,972	-	44,972
23,706	193	4,784	709,284	-	709,284
97,096	841	23,289	2,304,930	-	2,304,930
51	-	7	1,131	-	1,131
-	-	-	989	(989)	-
122,631	1,047	28,312	3,061,306	(989)	3,060,317
$ 1,029,852	$ 9,327	$ 156,056	$ 26,586,896	$ -	$ 26,586,896

SCHEDULE OF CHANGES IN PLAN NET
FOR THE FISCAL YEAR ENDED
(Expressed in Thousands)

	Teachers' Retirement and Pension Systems	Employees' Retirement and Pension Systems	Judges' Retirement System
Additions:			
Contributions (note 4):			
Employers	$ 14,020	$ 180,198	$ 13,183
Members	109,140	79,285	1,399
Other	346,913	-	193
Total contributions	470,073	259,483	14,775
Investment income:			
Net depreciation in fair value of investments	(1,746,166)	(1,051,693)	(23,033)
Interest	290,588	158,585	3,505
Dividends	157,247	91,511	2,130
Real estate operating net income	17,943	9,400	345
Income before securities lending activity	(1,280,388)	(792,197)	(17,053)
Gross income from securities lending activity	39,703	23,242	907
Securities lending borrower rebates	(29,423)	(17,224)	(672)
Securities lending agent fees	(2,056)	(1,204)	(47)
Net income from securities lending activity	8,224	4,814	188
Total investment income	(1,272,164)	(787,383)	(16,865)
Less investment expenses:			
Investment advisory fees	(31,905)	(18,173)	(391)
Other investment expenses	(849)	(486)	(10)
Total investment expenses	(32,754)	(18,659)	(401)
Net investment income	(1,304,918)	(806,042)	(17,266)
Transfers from other systems	8,402	4,602	-
Total additions	(826,443)	(541,957)	(2,491)
Deductions:			
Benefit payments	848,419	450,556	16,343
Refunds (note 5)	10,190	7,062	2
Administrative expenses (note 2f)	12,103	6,924	140
Transfers to other systems	8,193	9,535	1
Total deductions	878,905	474,077	16,486
Net increase (decrease) in plan assets	(1,705,348)	(1,016,034)	(18,977)
Net assets held in trust for pension benefits:			
Beginning of the fiscal year	17,757,420	10,163,432	211,168
End of the fiscal year	$16,052,072	$ 9,147,398	$ 192,191

* Intersystem transfers have been eliminated in the financial statements.

ASSETS BY SYSTEM
JUNE 30, 2002

State Police Retirement System	Local Fire and Police System	Law Enforcement Officers' Pension System	Subtotal	Eliminations*	Total
$ 4,907	$ 1,200	$ 20,757	$ 234,265	$ -	$ 234,265
6,793	5	2,682	199,304	-	199,304
-	-	-	347,106	-	347,106
11,700	1,205	23,439	780,675	-	780,675
(148,115)	(842)	(16,831)	(2,986,680)	-	(2,986,680)
12,998	212	1,845	467,733	-	467,733
12,237	94	1,543	264,762	-	264,762
1,218	23	232	29,161	-	29,161
(121,662)	(513)	(13,211)	(2,225,024)	-	(2,225,024)
3,168	55	418	67,493	-	67,493
(2,347)	(41)	(309)	(50,016)	-	(50,016)
(164)	(3)	(22)	(3,496)	-	(3,496)
657	11	87	13,981	-	13,981
(121,005)	(502)	(13,124)	(2,211,043)	-	(2,211,043)
(2,087)	(18)	(291)	(52,865)	-	(52,865)
(55)	-	(7)	(1,407)	-	(1,407)
(2,142)	(18)	(298)	(54,272)	-	(54,272)
(123,147)	(520)	(13,422)	(2,265,315)	-	(2,265,315)
291	4	4,824	18,123	(18,123)	-
(111,156)	689	14,841	(1,466,517)	(18,123)	(1,484,640)
49,014	472	7,521	1,372,325	-	1,372,325
181	-	41	17,476	-	17,476
790	6	101	20,064	-	20,064
216	1	177	18,123	(18,123)	-
50,201	479	7,840	1,427,988	(18,123)	1,409,865
(161,357)	210	7,001	(2,894,505)	-	(2,894,505)
1,191,209	9,117	149,055	29,481,401	-	29,481,401
$1,029,852	$ 9,327	$ 156,056	$ 26,586,896	$ -	$ 26,586,896

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State Police Retirement System

The General Assembly added a third benefit system, the State Police Retirement System, in 1949. Membership in the police system is restricted to uniformed employees of the Maryland State Police. The mission of the Maryland State Police is to fulfill its role as the state's lead coordinating law enforcement organization with commitment to pride, equality, respect and dignity. More than 1,500 officers throughout 23 counties strive to improve the quality of life for the citizens of Maryland by ensuring public safety.

Investment Objectives

The Board of Trustees (the "Board") is charged with the responsibility of managing the assets of the State Retirement and Pension System ("SRPS"). The Board is required to discharge its fiduciary duties solely in the interest of the participants, with the care, skill and diligence, which a prudent person would ordinarily exercise under similar circumstances. This standard of care not only permits but also encourages diversifying investments across various asset classes.

Investment objectives are implemented according to investment policies developed by the Board. The prudent person standard allows the Board to establish investment policies based on investment criteria that it defines, and it allows the Board to delegate investment authority to investment professionals. System assets are managed by internal portfolio managers and external investment management firms, who employ both active and passive strategies. Firms retained must have a demonstrated track record and a clearly defined and applied investment process.

Investment objectives are designed to support fulfillment of the Agency's mission – to optimize risk-adjusted returns in order to ensure timely payment of benefits to members and beneficiaries. The SRPS is a long-term investor, and consequently, long-term results are emphasized over short-term gains.

The Board has invested the SRPS' assets with a goal of achieving an annualized investment return which:

1. Meets or exceeds the System's static investment policy benchmark, which equals the weighted average of the benchmarks for each asset class and the target weightings for each asset class. The static policy benchmark enables comparison of the SRPS's actual performance to a passively managed proxy, and it measures the contribution of active investment management and policy implementation.
2. In real terms, exceeds the U.S. inflation rate by at least 3.0%. The inflation related objective compares the investment performance against the rate of inflation as measured by the Consumer Price Index (CPI) plus 3.0 percent. The inflation measure provides a link to SRPS' liabilities.
3. In nominal terms, equals or exceeds the actuarial investment return assumption of the SRPS adopted by the Board of Trustees. The actuarial rate of interest is reviewed and monitored as a measure of the long-term rate of growth of SRPS' assets. The actuarial rate of interest as of 6/30/02 was 8.0%. When adopting the actuarial rate of interest, the Board anticipates the investment portfolio may achieve higher returns in some years and lower returns in other years.

Asset Allocation

Asset allocation is a key determinant of a successful investment program, and it may be responsible for determining as much as 90% of a pension plan's total return in a given year. Asset allocation is the process, which results in the weightings assigned to each asset class. The Board takes both asset and liability side considerations into account when determining its asset allocation policy.

From an asset side perspective, the Board reviews and approves the CAPM assumptions (Capital Asset Pricing Model), including the risk and return projections for each asset class as well as the correlations among the asset classes. Diversification is achieved by combining asset classes that are not perfectly correlated with each other. This may result in offsetting a market decline in one asset class with appreciation in another asset class. The benefit of this diversification is a reduction in the volatility of the total portfolio's investment performance over time.

The Board weighs three liability-oriented objectives when making asset allocation determinations. The liability-oriented objectives are:

1. Achieve and maintain a fully funded pension plan.
2. Minimize contribution volatility year to year.
3. Achieve parity of assets and liabilities, and hopefully surplus assets.

These liability-related performance objectives recognize that liabilities must be paid in full and in a timely manner. The liabilities are the future claims of the SRPS' participants. The actuarial rate of interest is used to discount the future value of the SRPS' liabilities and to calculate the funded ratio.

Multiple scenarios for possible asset mixes are reviewed. This process results in targets, ranges and triggers, which are approved by the Board for each asset class. The targets are typically the midpoints of the ranges. Trigger points red flag reassessment for potential rebalancing of asset weightings when the actual weighting of the asset class exceeds the sum of the target plus or minus the trigger amount. As of June 30, 2002, the approved targets, ranges and triggers for each asset class were:

Asset Class	Target	Range	Trigger
Equity	**60%**	**50 - 70%**	**+/- 5%**
Domestic Stocks	43.5	35 - 55%	
Convertible Securities	1.0	0 - 2%	
International	15.0	10 - 20%	
Alternative Investments	0.5	0 - 1%	
Real Estate	**5%**	**2 - 7%**	**+/- 1%**
Fixed Income (bonds)	**35%**	**25 - 45%**	**+/- 5%**
Domestic Investment Grade	32.0	25 - 40%	
Domestic High-Yield	3.0	0 - 6%	
Total	**100.0%**		

Capital Market Overview

As of the end of the fiscal year, bonds and real estate out performed stocks in U.S. dollar terms. The capital markets continued to experience volatility throughout the year, and the U.S. dollar remained strong against major currencies.

Stocks suffered as the technology sector continued its decline from the prior year; and bonds rose as the FOMC (Federal Open Market Committee) continued cutting interest rates to a level of 1.75%, on concerns of a weakening economy. Inflation remained moderate, with the CPI (the Consumer Price Index, an inflation indicator) rising 2.6% for the 12-month period.

The following chart displays the fiscal year performance for some of the Trust's key benchmarks:

Asset Class Benchmarks	FY 2002 Performance
Equity Markets	
U.S. Equities	
S&P 500	-18.00%
Russell 3000	-17.20%
Russell 2000	-8.60%
CSFB Convertible Securities	-12.40%
International Equities	
MSCI EAFE	-9.50%
Bond Markets	
U.S. Bond Markets	
SSBI Broad Investment Grade	8.50%
ML High Yield Master II	-4.40%
Real Estate	
Russell NCREIF (1 quarter lag)	6.50%
Wilshire Real Estate Securities	13.80%
Short-Term Markets	
Three-month Treasury Bill	2.63%

For the 2002 fiscal year, the best performing sector in the U.S. equity market was consumer staples, which returned 11%. The energy, technology and utility sectors were the worst performers, declining more than 30% each. Value stocks out performed growth stocks, and small cap stocks out performed large cap stocks. For international stocks, emerging markets and small cap stocks out performed large cap developed market equities. Developed markets turning in positive results included: Austria, up 24%; New Zealand, up 23%; Australia, up 6%; Belgium, up 5%; and Switzerland, 4%. When the international equity results were translated into U.S. dollar terms, the international results were worse than the U.S. equity market returns due to the strength of the U.S. dollar versus the Euro and the yen.

With regard to fixed income, the investment grade market appreciated 8.5% as the yield curve steepened by almost 190 basis points and the Fed Funds rate fell by 2.25%. Five and ten-year U.S. Treasury yields fell 95 and 63 basis points, respectively. The high yield bond market fared worse than the investment grade bond market, falling 4.4% over the fiscal year.

Investment Performance

Investment performance is calculated using time-weighted rates of return in compliance with AIMR standards. Total return includes interest and dividends as well as capital appreciation.

The investment program experienced a decline of –7.6% for the fiscal year. This decline was less than that of the broad equity markets, thanks to the benefits of a well-diversified portfolio. Rolling total returns for 3, 5, and 10-year period were –2.2%, 3.2% and 7.9%, respectively.

The market value of System assets declined from $29.5 billion on June 30, 2001 to $26.6 billion on June 30, 2002. The System's equity investments declined by –14.5%, with U.S. equities returning –16.2% and international equities returning –10.6%. The System's aggregated fixed income securities returned 6.4%, with the investment grade portfolios returning 8.5%, and high yield bonds declining by 9.2%. Real estate investments returned 10.3 % for the fiscal year, with REITs (Real Estate Investment Trusts) reported as of June 30, 2002 and the remaining properties reported as of March 31, 2002.

The System out performed its benchmarks for the U.S. Equity and Real Estate asset classes in Fiscal 2002. Performance of Investment Grade Bonds matched the benchmark; and performance of International Equity and High Yield Bonds fell below the benchmark.

The System did not meet its three overall investment objectives this fiscal year. As a result, the Board has implemented changes, which are described in the next section of this report.

Significant Events

The Board has taken action to address the challenging markets that it faces today. This resulted in two key changes – engaging a general investment consultant and reducing the equity exposure of the portfolio.

The Board reviewed and revised its asset allocation policy. The new policy is reflected under the Asset Allocation section of this report. This resulted in a reduction of the System's total equity exposure, and an increase in the Fixed Income exposure. The new target for Equity is 60%, the new target for Fixed Income is 35%, and the target for Real Estate remains at 5%. Additionally, the International Equity component of the Equity allocation was reduced to 15% of total assets.

Modifications to the asset allocation policy also resulted in the implementation of practices requiring more frequent assessment of asset class weightings. The Board reviews its asset allocation on a monthly basis, mindful of the new triggers, which are described in the Asset Allocation section of this report. Furthermore, the written asset allocation policy document has been expanded to detail the process and assumptions that were used to determine the final outcome. This document was endorsed by the new consultant, EnnisKnupp.

The Board selected EnnisKnupp in June 2002 to be its general investment consultant. This firm is headquartered in Chicago and has expertise with large public pension plans. The System's lead consultant, Steve Cummings, is the President and CEO of EnnisKnupp. Joining Steve on the System's account is Suzanne Bernard, a seasoned principal with EnnisKnupp.

Proxy Voting

With regard to proxy voting, Agency staff voted an estimated 1600 ballots for approximately 1300 U.S. companies. Votes for shares of commingled funds and international investments are typically delegated to the managers of those respective funds.

Respectfully submitted,

Carol Boykin, CFA
Chief Investment Officer and
Secretary to the Investment Committee

Investment Portfolios by Manager
as of June 30, 2002
(Expressed in Thousands)

	Fair Value	Investment Advisory Fee
Equity Managers		
State Street Global Advisors	$ 4,224,925	$500
Internally Managed	3,937,771	N/A
Bank of Ireland Asset Management Limited	1,908,929	4,191
Capital Guardian Trust Company	906,339	3,129
Dimensional Fund Advisors, Inc.	821,360	878
Templeton Investment Counsel, Inc.	816,546	2,484
Credit Suisse Asset Management, LLC	800,240	2,462
Deutsche Asset Management	780,618	3,651
Legg Mason Capital Management, Inc.	395,866	1,353
Trust Company of the West	312,340	1,862
Ariel Capital Management, Inc.	241,039	677
GEM Capital Management, Inc.	223,580	1,228
Advent Capital Management	223,131	1,122
Robert W. Torray & Co., Inc.	204,559	1,045
The Edgar Lomax Company	203,555	661
J. & W. Seligman & Co., Inc.	181,550	651
Relational Investors, LLC	179,225	2,678
Greenway Partners, L.P.	104,989	348
T. Rowe Price Associates, Inc.	99,347	588
Brown Capital Management, Inc.	98,166	1,105
Brown Investment Advisory & Trust Company	96,296	712
Progress Investment Management Company	81,725	582
The Kenwood Group, Inc.	56,886	26
Harbour Vest Partners, LLC	27,127	1,006
Adams Street Partners, LLC	17,824	850
Abbott Capital Management, LLC	13,559	330
Other *	875	1,221
	$16,958,357	$35,340

	Fair Value	Investment Advisory Fees
Fixed Income Managers		
Internally Managed	$5,691,237	$N/A
Pacific Investment Management Company	1,381,694	2,835
W.R. Huff Asset Management Co., LLC	500,509	2,613
Morgan Stanley Dean Witter Investment Management	165,421	662
Lazard Asset Management	98,086	460
Fountain Capital Management, LLC	96,944	446
Other *	0	1,141
	$7,933,891	$8,157
Real Estate Managers		
LaSalle Investment Management Securities, L.P.	$655,693	$1,343
LaSalle Investment Management, Inc.	325,120	2,697
Internally Managed	234,099	N/A
J.P. Morgan Investment Management, Inc.	196,600	1,554
TimesSquare Real Estate Investors	169,931	1,681
Lubert-Adler Management, Inc.	23,579	1,586
Sentinel Real Estate Corporation	15,357	507
	$1,620,379	$9,368

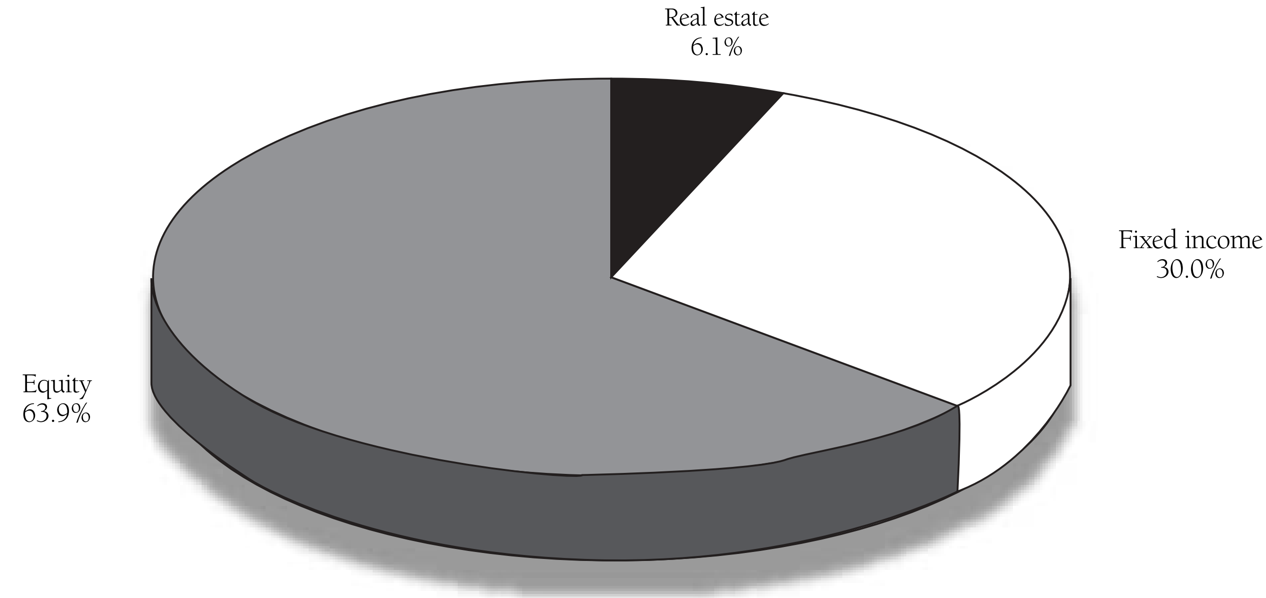
* Investment managers no longer under contract as of 6/30/02.

Investment Portfolio Summary
as of June 30, 2002
(Expressed in Thousands)

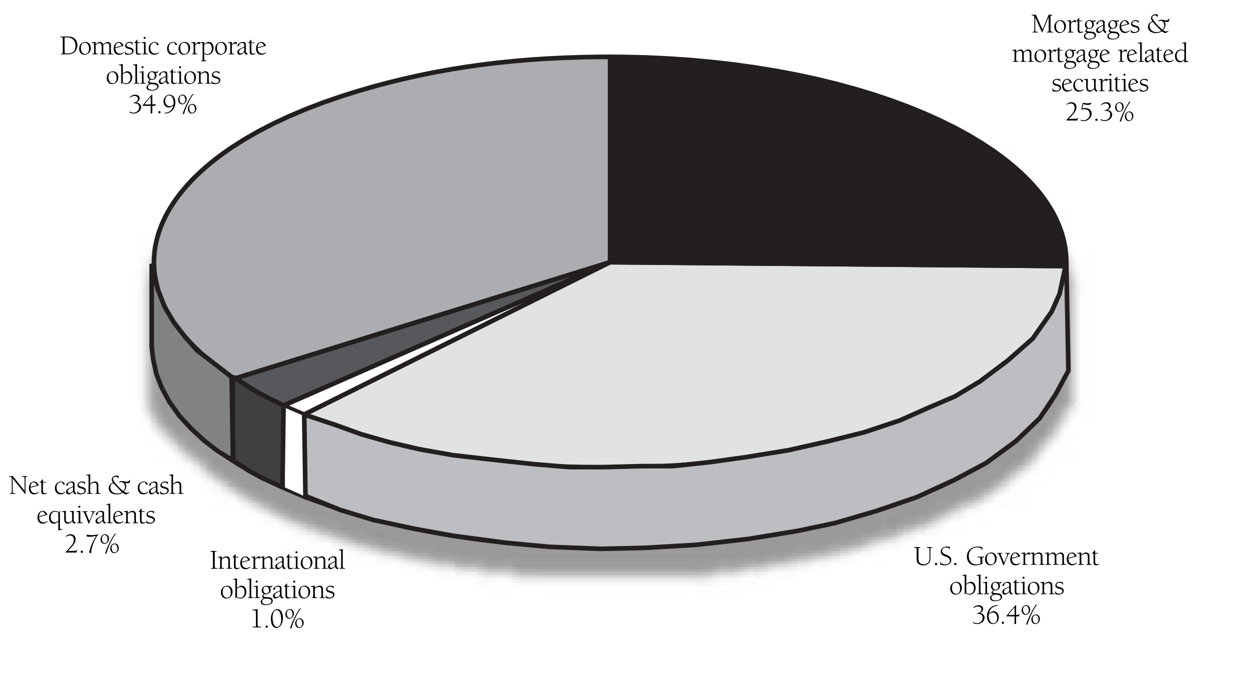
	2002		2001	
	Fair Value	% of Fair Value	Fair Value	% of Fair Value
Fixed Income				
Domestic corporate obligations	$ 2,743,183	10.4%	$ 3,036,115	10.3%
Mortgages & mortgage related securities	2,005,225	7.6	2,503,790	8.5
U.S. Government obligations	2,892,274	10.9	2,361,828	8.0
International obligations	77,116	0.3	185,519	0.7
Net cash & cash equivalents	216,093	0.8	30,044	0.1
*Total Fixed Income	7,933,891	30.0	8,117,296	27.6
Equity				
Domestic stocks	11,855,577	44.7	13,702,468	46.6
International stocks	4,715,043	17.8	5,632,416	19.1
Alternative investments	58,511	0.2	53,717	0.2
Net cash & cash equivalents	329,226	1.2	443,995	1.5
Total Equity	16,958,357	63.9	19,832,596	67.4
Real Estate				
Real Estate Investment Trusts	786,141	3.0	689,320	2.3
Pooled funds	381,888	1.4	413,624	1.3
Directly owned real estate	351,450	1.3	354,673	1.2
Alternative investments	23,579	0.1	6,563	0.1
Net cash & cash equivalents	77,321	0.3	10,253	0.1
Total Real Estate	1,620,379	6.1	1,474,433	5.0
Total Portfolio	$26,512,627	100.0%	$29,424,325	100.0%

*Security Lending collateral payable has been netted against the actual collateral. The amounts net to zero.

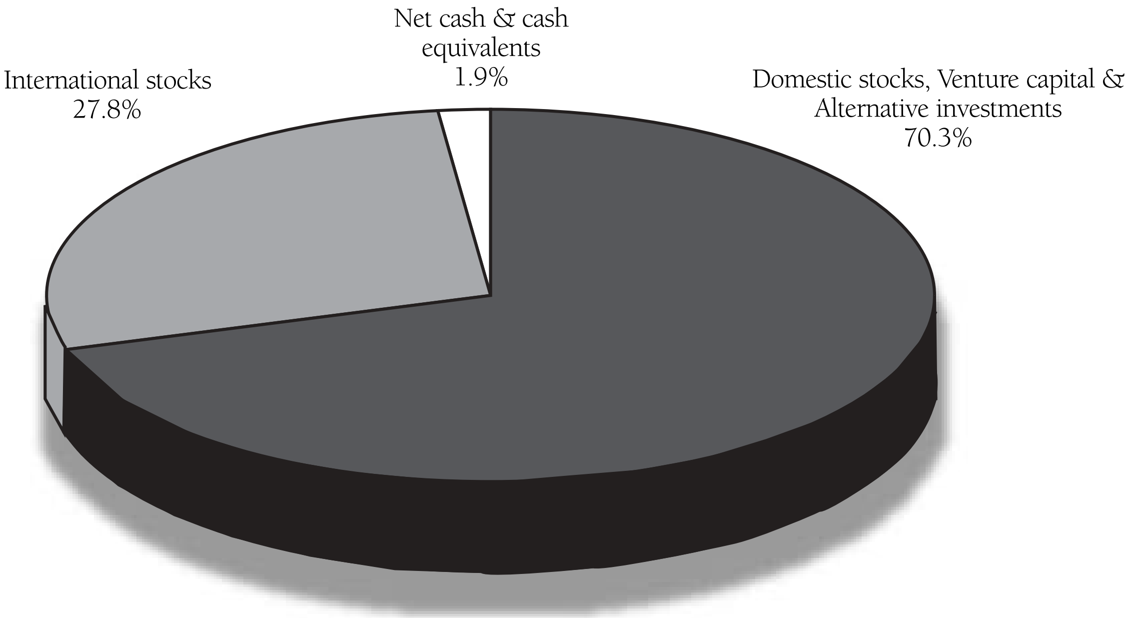
Investment Portfolio Allocation
as of June 30, 2002



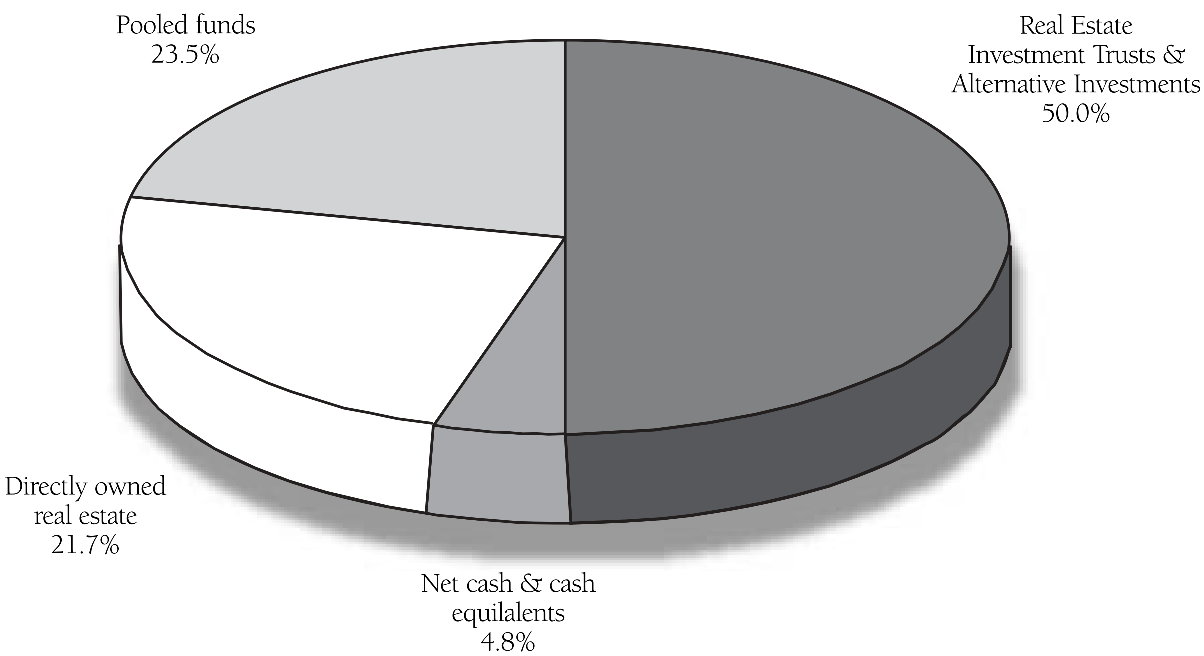
Fixed Income Distribution by Type
as of June 30, 2002



Equity Distribution by Strategy
as of June 30, 2002

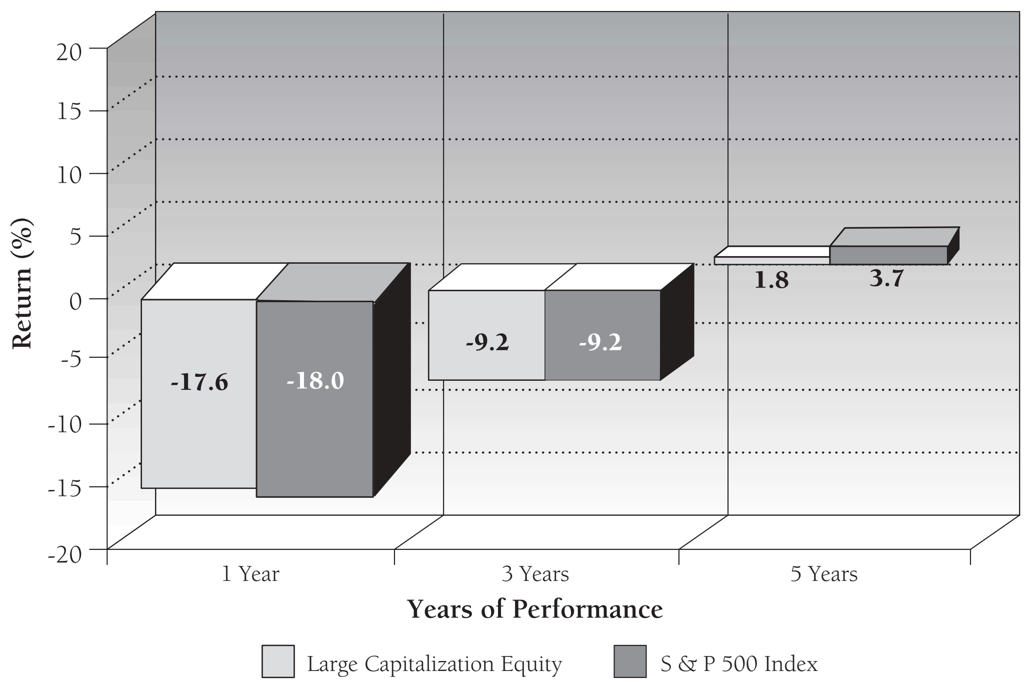


Real Estate Distribution by Strategy
as of June 30, 2002

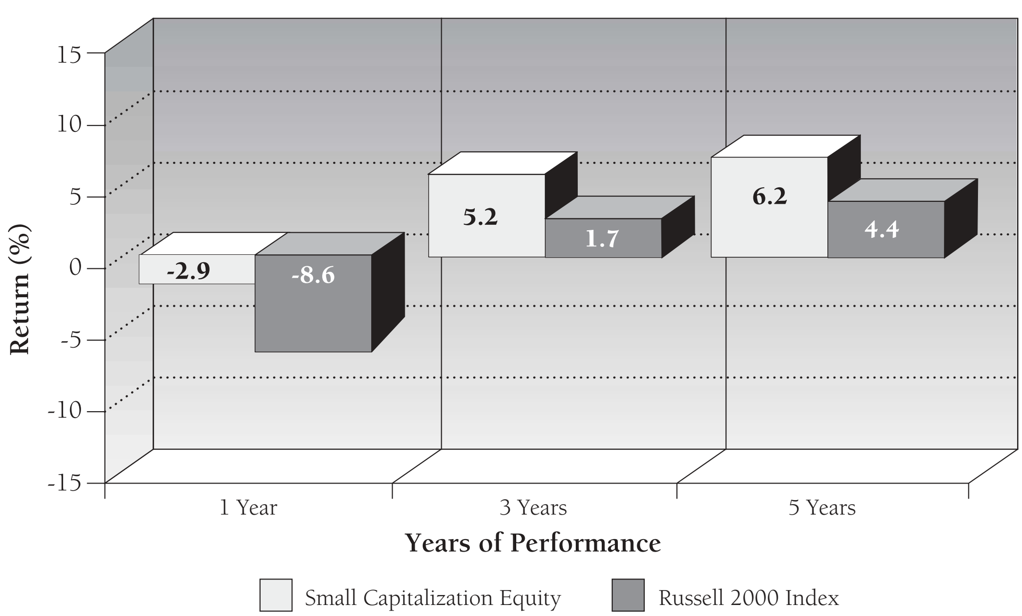


Comparative Investment Returns Ending June 30, 2002

Large Capitalization Equity

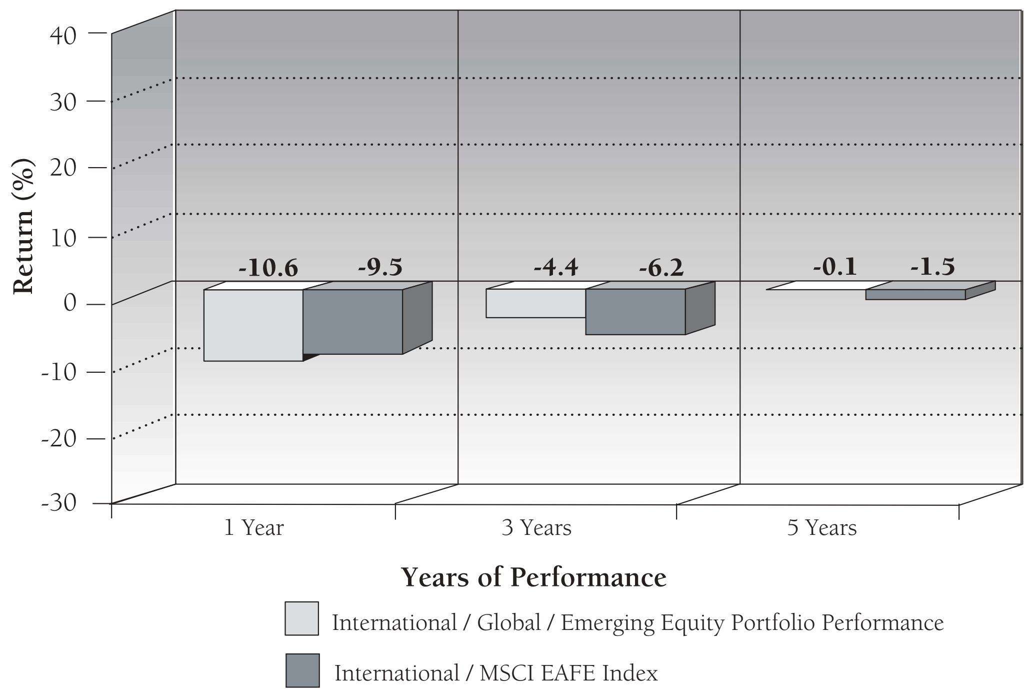


Small Capitalization Equity

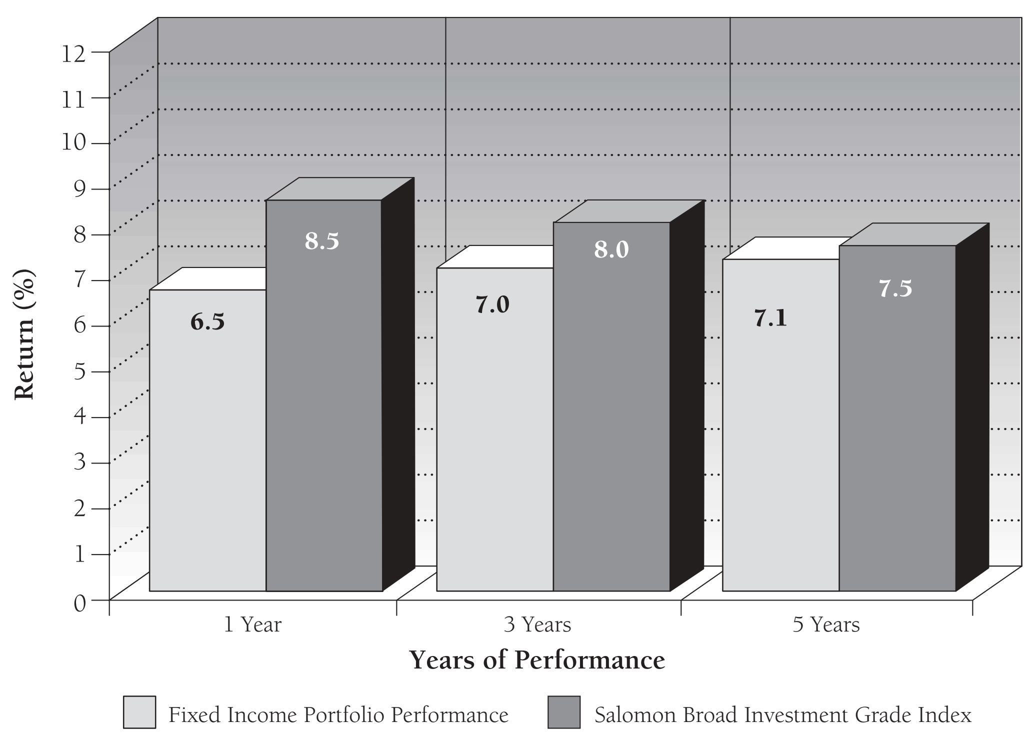


Comparative Investment Returns Ending June 30, 2002

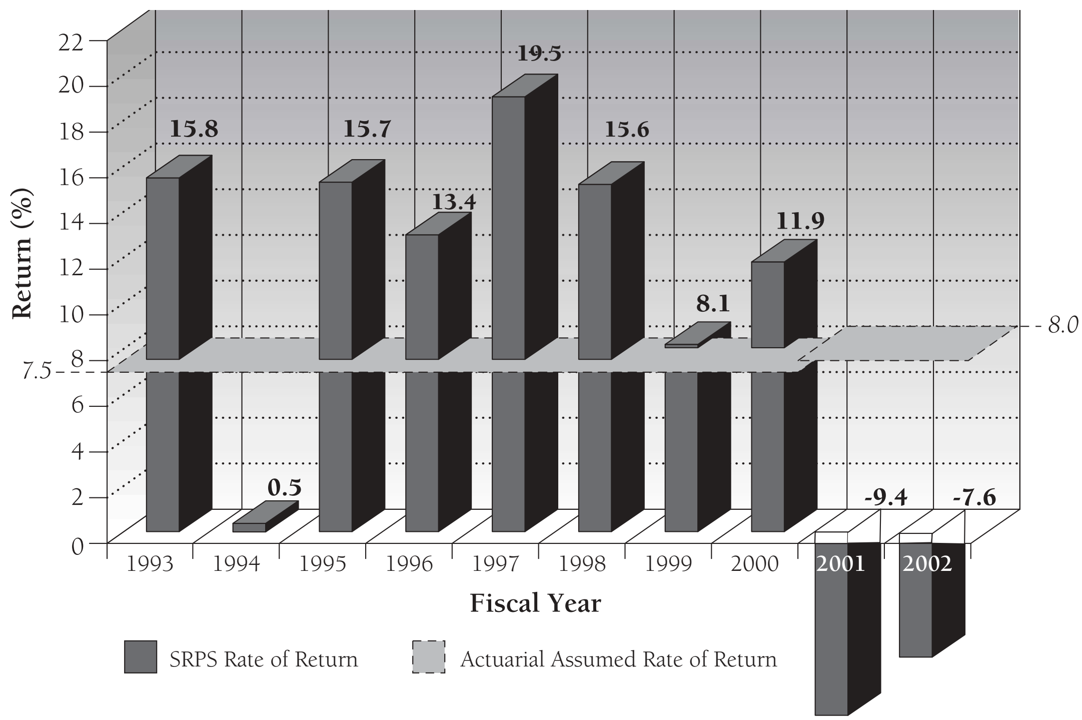
International / Global / Emerging Equity



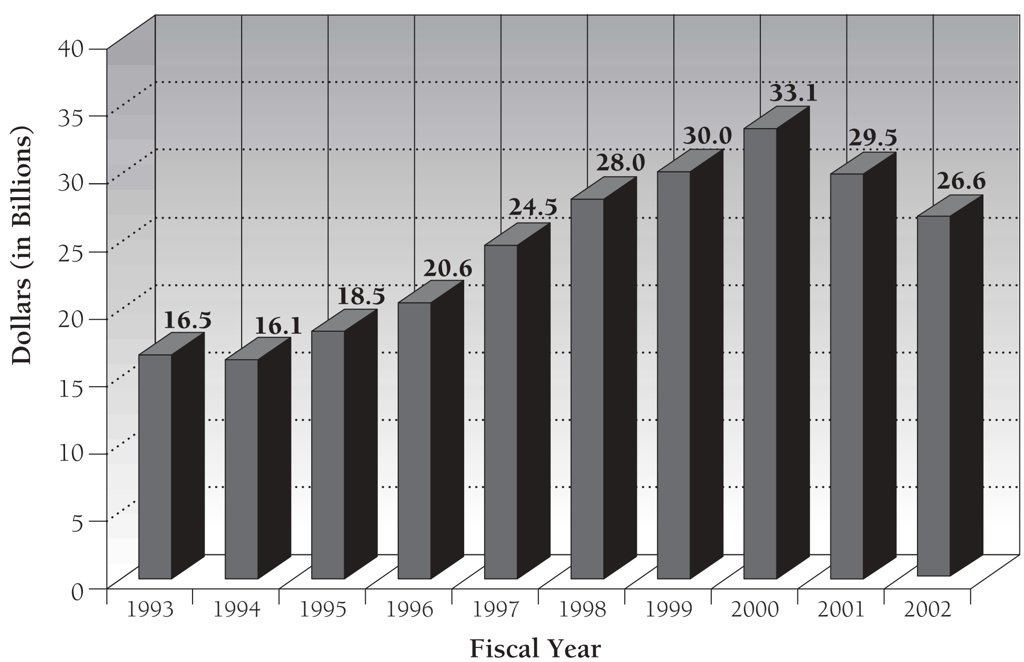
Fixed Income



Ten-Year History of Time-Weighted Annual Returns



Ten-Year Growth of Investment Portfolio



Largest 25 Holdings
as of June 30, 2002

EQUITY INCOME SECURITIES:	No. of Shares	Fair Value
Microsoft Corporation	4,479,698	$ 245,039,481
General Electric Company	8,399,685	244,010,849
Wal-Mart Stores, Inc.	3,677,920	202,322,379
Pfizer, Inc.	5,372,745	188,046,075
Johnson & Johnson	2,676,307	139,863,804
Exxon Corporation	3,296,200	134,880,504
International Business Machines Corporation	1,662,814	119,722,608
Coca-Cola Company	2,085,926	116,811,856
Merck & Co., Inc.	2,204,488	111,635,272
Citigroup, Inc.	2,772,150	107,420,813
Intel Corporation	5,692,587	104,003,564
Procter & Gamble Company	1,157,032	103,322,958
Nestle SA	427,081	99,584,256
Total Fina Elf	611,538	99,292,710
ING Groep NV	3,727,585	95,717,865
Philip Morris Companies, Inc.	2,070,300	90,430,704
Swiss Reinsurance Company	918,732	89,826,152
ENI	5,547,861	88,215,225
American International Group, Inc.	1,273,997	86,924,815
Cisco Systems, Inc.	5,971,878	83,307,698
Federal National Mortgage Association	1,088,298	80,261,978
Lloyds TSB Group PLC	7,813,521	77,773,261
Novartis AG	1,696,910	74,631,027
E on AG	1,270,363	73,710,237
Home Depot, Inc.	1,935,389	71,086,838
TOTAL		$ 2,927,842,929

FIXED INCOME SECURITIES:	Par	Fair Value
Federal Home Loan Bank, 5.80% due Sept. 2, 2008	$ 239,350,000	$ 253,038,427
Federal National Mortgage Assn. Princ. Strip, 0.00% due Feb. 15, 2008	265,500,000	201,782,655
Federal National Mortgage Assn. TBA, 6.00% due Dec. 31, 2099	163,000,000	166,209,470
Federal National Mortgage Assn. Remic, 6.50% due Dec. 25, 2022	139,116,044	146,636,657
United States Treasury Bonds, 6.25% due May 15, 2030	114,535,000	124,056,295
Grand Metro Investment Corp., 0.00% due Jan. 6, 2004	129,725,000	122,811,955
GNMA I TBA, 6.50% due Dec. 15, 2099	118,500,000	120,870,000
Citibank Credit Card Master Trust, 6.3231% due Aug. 15, 2006	101,500,000	94,399,892
United States Treasury Notes, 5.625% due Feb. 15, 2006	81,500,000	86,822,765
Federal Home Loan Mortgage Corp., 5.125% due Oct. 15, 2008	79,500,000	80,965,980
Federal National Mortgage Assn. TBA, 5.50% due Dec. 31, 2099	81,000,000	80,822,610
United States Treasury Bonds, 0.00% due Aug. 15, 2028	80,000,000	77,900,000
Federal Home Loan Mortgage Corp., 8.0714% due Nov. 15, 2021	71,565,000	76,865,104
United States Treasury Notes, 4.625% due May 15, 2006	65,680,000	67,650,400
Federal National Mortgage Assn., 7.25% due May 15, 2030	56,000,000	63,770,000
Deutsche Ausgleichbk, 5.125% due Sept. 22, 2003	60,000,000	61,395,000
United States Treasury Notes, 3.00% due Nov. 30, 2003	55,260,000	55,691,581
FNMA Pool 254093, 7.00% due Dec. 01, 2031	51,608,373	53,446,664
United States Treasury Notes, 3.625% due Jan. 15, 2008	46,178,295	48,343,133
Federal Home Loan Mortgage Corp., 6.000% due May 15, 2017	46,200,000	48,018,894
United States Treasury Notes, 4.75% due Nov. 15, 2008	46,000,000	46,848,240
Government Backed Trust, 0.00% due May 15, 2007	55,000,000	43,956,550
Svenska Handlsbn, 1.80% due Aug. 16, 2002	42,300,000	42,202,710
Federal National Mortgage Assn., 5.25% due Jun. 15, 2006	40,000,000	41,625,200
Government Trust Cert., 0.00% due May 15, 2006	47,320,000	40,131,619
TOTAL		$ 2,246,261,801

A complete list of portfolio holdings is available for review upon request.

Domestic and International Equity Commissions to Brokers for the Fiscal Year Ended June 30, 2002

(Expressed in Thousands)

Brokers *	Total Shares	Total Commission
Goldman Sachs & Co.	47,929	$ 943
Merrill Lynch & Co., Inc.	44,909	939
Morgan Stanley	35,614	720
Deutsche Bank	86,936	682
UBS AG	92,277	649
Salomon Smith Barney, Inc.	48,362	624
Jefferies & Co.	10,163	536
Bear Stearns & Co.	19,318	475
Credit Suisse First Boston	25,500	439
Lehman Brothers, Inc.	21,426	432
J.P. Morgan Securities, Inc.	10,002	340
ABN Amro	13,882	320
Weiss Peck and Greer	5,807	251
Ferris Baker Watts, Inc.	4,819	206
Legg Mason, Inc.	4,004	189
Dresdner Bank	11,997	166
Morgan Guaranty Trust Co.	5,957	165
Prudential Securities, Inc.	2,761	149
HSBC Securities	14,274	146
Investment Technology Group, Inc.	5,901	127
Warburg Dillon Read	21,138	118
State Street Brokerage	7,131	114
The Chapman Company	2,314	103
Commerzbank	6,928	95
Credit Lyonnais	11,123	95
The Williams Capital Group, L.P.	1,916	93
Nomura Holdings, Inc.	3,644	91
CIBC World Markets Corp.	2,060	90
First Union Corp.	1,984	90
Croix Securities	2,563	86
Banc of America	2,760	76
Other broker fees	77,223	2,149
Total broker commissions	652,622	$11,698

** Proceeds from the sale and disbursements for the purchase of securities are reported net of brokers' commissions. As such, brokers' commissions are not included as investment expenses on the Statements of Changes in Plan Net Assets. Other broker fees include 182 other brokers each receiving less than $75,000 in total commissions.*

For the fiscal year ended June 30, 2002, total domestic equity commissions averaged 4.16 cents per share, and total international equity commissions averaged 14.33 basis points per share.

Employees' Retirement & Pension Systems

The Employees' Retirement System (established in 1941) and the Employees' Pension System (established in 1980) combined account for more than half of all State Retirement and Pension System members. Active membership in the combined employees' systems at the end of fiscal year 2002 exceeded 90,000 participants. Membership includes all regular employees of the State of Maryland. In addition, 130 local governmental units have voluntarily joined the system to provide survivor, disability and retirement benefits for their employees. The governor, members of the General Assembly, and state correctional officers are also included as members of the combined employees' systems.

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November 18, 2002

Board of Trustees
State Retirement and Pension
System of Maryland
120 East Baltimore Street
Baltimore, MD 21202

Dear Members of the Board:

At your request, we have conducted our annual actuarial valuation of the State Retirement and Pension System of Maryland as of June 30, 2002. The results of the valuation are contained in the following report.

Funding Objective
The funding objective of the System is to establish contribution rates which, over time, will remain level as a percent of payroll. In order to achieve this, a contribution rate has been determined which will provide for current cost (i.e., normal cost expressed as a level percent of payroll) plus a level percent of payroll amortization of the pre-2001 unfunded liability to the year 2020, and of each subsequent layer of unfunded liability over a 25 year period from the last year it first arises. Maryland law now contains provisions (i.e. a corridor approach) to prevent large fluctuations in the contribution rate, while adequately funding the liabilities.

Assumptions
The actuarial assumptions and methods used in performing this valuation meet the parameters set for disclosure presented in the financial section of the System's Comprehensive Annual Financial Report (CAFR) by Governmental Accounting Standards Board Statement No. 25, *Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans*.

Reliance on Others
In preparing our report we relied, without audit, on employee census data and financial information provided by the State Retirement Agency. Census data provided to us by the Agency has been reviewed for reasonableness, and for consistency with the data certified by the System's auditors.

Supporting Schedules
Certain information presented in the System's June 30, 2002 CAFR was derived from our June 30, 2002 actuarial valuation report. In this regard, we were responsible for producing all supporting schedules to be found in the Actuarial Section.

Additionally we were responsible for producing all data presented in the Schedule of Funding Progress, Schedule of Employer Contributions and Notes to the Required Supplementary Information shown in the Financial Section of the 2002 CAFR.

Certification
I, Robert Dezube, am a consulting actuary for Milliman USA. I am also a member of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein. On the basis of the foregoing, I certify that, to the best of my knowledge this report is complete and accurate and has been prepared in accordance with Maryland's Annotated Code and generally recognized and accepted actuarial principles and practices which are consistent with the applicable Guides to Professional Conduct, Amplifying Opinions, and supporting Recommendations and Interpretations of the American Academy of Actuaries.

Sincerely,

Milliman USA

Robert Dezube

Robert S. Dezube, F.S.A.
Principal

BOARD SUMMARY

Valuation Comments

This report presents the results of the June 30, 2002 actuarial valuation of the State Retirement and Pension System of Maryland (SRPS). The primary purposes of performing the annual actuarial valuation are to:

1) **determine the contributions** to be paid by the State in Fiscal Year 2004;
2) **measure and disclose**, as of the valuation date, the financial condition of the fund;
3) **indicate trends** in the financial progress of the fund;
4) **provide specific information** and documentation required by the Governmental Accounting Standards Board (GASB).

In this section of the report, we will present a summary of the above information in the form of:

- the actuary's comments;
- the prior year's experience of the Fund's assets, liabilities, contributions, and membership;
- a series of graphs highlighting key trends experienced by the Fund; and
- a tabular summary, intended for quick reference purposes, of all the principal results from this year's valuation, compared to the prior year's.

Actuary's Comments

As a result of System's assets earning a negative 7.6%, considerably below the 8% assumption, the System has a total unfunded actuarial liability of $1,808 million as of June 30, 2002. This compares to a $555 million unfunded liability measured at the June 30, 2001 valuation. In relative terms, the overall System funding ratio of assets to liabilities fell from 98.3% in 2001, to 94.7% this year. This funded status is substantially better than would have been expected when the State first established the goal to extinguish unfunded liabilities by the year 2020.

Thanks to asset smoothing method changes instituted by the Board in 2000, which discounted much of the prior decade's asset run-up, the impact of this year's investment performance was minimized. The actuarial, or smoothed, rate of return measured from this past year was a positive 3.5%, or approximately 4.5% less than our assumption. This investment loss increased the unfunded liability by $1,434 million more than expected. Combined with a liability gain of $292 million, the total System experienced a net actuarial loss of $1,142 million.

In the last legislative session, and with an effective date of Fiscal Year 2003, the Legislature changed the method used to fund the two largest Systems of the SRPS. The Teachers Combined System and the State portion of the Employees Combined System are to be funded using a corridor method. Under this funding approach, the State appropriation is fixed at the June 30, 2000 valuation rate as long as the actuarial funded status of these Systems remains in a corridor of 90% funded to 110% funded. Once the ratio falls outside of this corridor, the appropriated rate will be adjusted towards the underlying actuarially calculated rate. The results of this valuation report disclose the actuarially calculated rate which will be used for purposes of disclosing the Annual Required Contribution rate under Governmental Accounting Standards Board Statement No. 25. The analysis in this report will focus on the actuarially determined rate but will strive to footnote the appropriated rate where applicable.

Finally, while the results are not on the favorable side this year, we emphasize again, as we have so often in the past, that financing of any retirement system is a long term proposition. Annual fluctuations are to be expected and should not by themselves be cause for concern. We continue to maintain that the overall System's financial condition is healthy, and that there are procedures, assumptions and methods in place, which in our opinion adequately and appropriately finance the emerging long-term liabilities of the System.

The balance of this section summarizes System trends, and provides the principal details on this year's experience.

Prior Year Experience

ASSETS

Plan assets for this Fund are measured on both a market value and an actuarial or smoothed value basis. The actuarial smoothing method essentially reflects only 20% of a current year's actual market performance. In periods of high returns, this method significantly discounts the amount of asset gains above the assumed return of 8%. Conversely, in periods of returns below assumed, the losses are discounted. The primary advantage of this smoothing technique is contribution stability.

For the plan year ending June 30, 2002, while the Fund earned a negative 7.6% on a market value basis, on a smoothed basis, the return was a positive 3.5%. While on a market basis, the Fund experienced an investment loss of $4,543 million, the actuarial or smoothed basis produced a loss of $1,434 million. The specific changes between the prior year amounts and this year's are presented below.

Item (In Millions)	Market Value	Actuarial Value
June 30, 2001 value	$29,482	$31,915
Employer Contributions	581	581
Member Contributions	199	199
Benefit Payments	(1,464)	(1,464)
Expected Investment Earnings (8%)	2,332	2,526
Expected Value June 30, 2002	$31,130	$33,757
Investment Gain (Loss)	(4,543)	(1,434)
June 30, 2002 value	$26,587	$32,323

LIABILITIES

Three different measures of liabilities are calculated for this fund: a total value of future obligations (PVB), an actuarial liability (EAN), and an accounting liability (PVAB). Only the actuarial liability is analyzed in terms of a gain or loss experience, which then is used to determine the System's funding and accounting (GASB) disclosures. During the plan year ending in 2002, the actuarial liabilities experienced an overall gain of $292 million, which is 0.8% of the total actuarial liability being measured. The primary cause for liability experience being better than anticipated this past year, was a data correction in the way that post-retirement cost-of-living increases have been reported to us.

LIABILITIES (In Millions)	Total Value (PVB)	Actuarial (EAN)	Accounting (PVAB)
June 30, 2001	$39,203	$32,470	$26,323
June 30, 2002	$41,299	$34,131	$27,747

UNFUNDED LIABILITIES AND FUNDING RATIOS

The difference between assets and liabilities is the unfunded liability. This is measured in two ways: unfunded actuarial liabilities, which compare the actuarial liabilities to the actuarial asset value, and unfunded accrued benefits, which compare the present value of benefits accrued as of the valuation date to the market value of assets. These amounts are shown for June 30, 2001 and June 30, 2002, as well as the corresponding funding ratios for each (assets divided by liabilities).

	Actuarial	PVAB
June 30, 2001 Net Surplus (Unfunded)	$ 555	$ (3,159)
Funding Ratio	98.3%	112.0%
June 30, 2002 Net Surplus (Unfunded)	$1,808	$ 1,160
Funding Ratio	94.7%	95.8%

CONTRIBUTIONS

In this summary, we present overall the State contribution rate, and compare it to the rate developed in the June 30, 2001 actuarial valuation. In summary, due to the net impact of investment losses and liability gains, the overall System contribution requirement, payable in Fiscal Year 2004, has increased by 0.74% of payroll. It is important to note that this is not the contribution rate upon which the State will base its budget in either Fiscal Year 2003 or Fiscal Year 2004. This analysis compares the underlying cost calculations which will be used to disclose the State's pension expense for GASB reporting purposes. The actual appropriations are calculated on a Corridor Funding Method for the two largest plans. This approach produced payroll-weighted averages of 8.01% at June 30, 2001, increasing to 8.06% as of June 30, 2002.

Rate as Percent of Covered Payroll - GASB Disclosure	
June 30, 2001 State Rate	8.70%
Increase due to Plan Changes	0.00%
Increase due to Investment Loss	0.92%
Decrease due to Liability Gain	(0.18%)
June 30, 2002 State Rate	9.44%

Rate as Percent of Covered Payroll - Budget (Corridor Method)	
June 30, 2001 State Rate	8.01%
Increase in Systems not within the Corridor	0.02%
Increase due to Shift in Payroll	0.03%
June 30, 2002 State Rate	8.06%

MEMBERSHIP

There are four types of plan participants, current active workers, previous terminations who retain a right to a deferred vested benefit, previous terminations who are not vested but have member contributions in the System (inactives), and participants in pay status. Below, we compare totals in each group between June 30, 2001 and 2002.

As shown below, there was an overall increase in participation during the year of 3.2%.

	June 30, 2002	June 30, 2001	Change
Active Participants	190,123	184,600	3.0%
Terminated Vested Participants	30,733	29,365	4.7%
Inactive Participants	13,622	13,834	(1.5%)
Participants In Pay Status	87,367	84,185	3.8%
Total Participants	**321,845**	**311,984**	**3.2%**

TRENDS

One of the best ways to measure or evaluate the financial condition of a pension plan, is to examine the historical trends that are evolving. Below, we present three charts which present trend information from 1993 through the end of 2002, on the System's assets and liabilities, annual cash flows in and out of the fund, and the State contribution rate. Our comments on each follow.

Chart A:
Asset/Liabilities

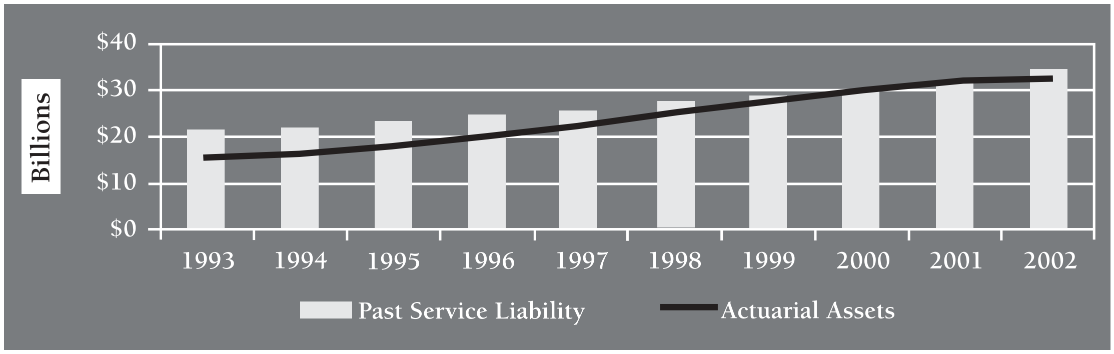

Chart B:
Cash Flows

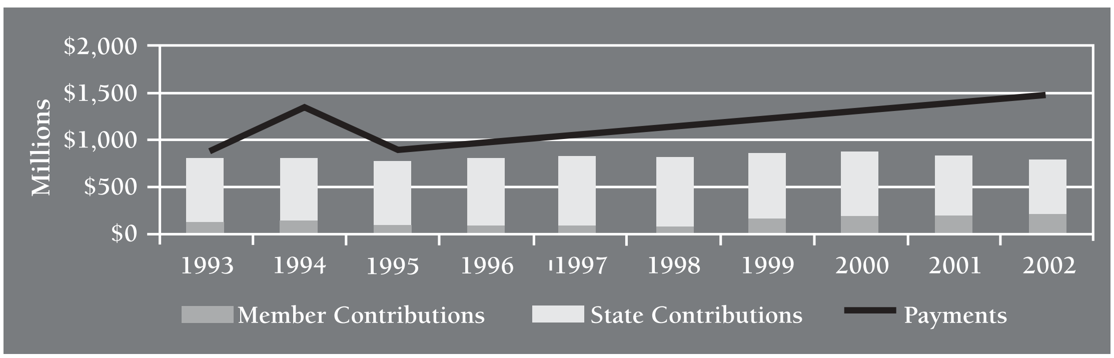

Chart C:
State Contribution Rate

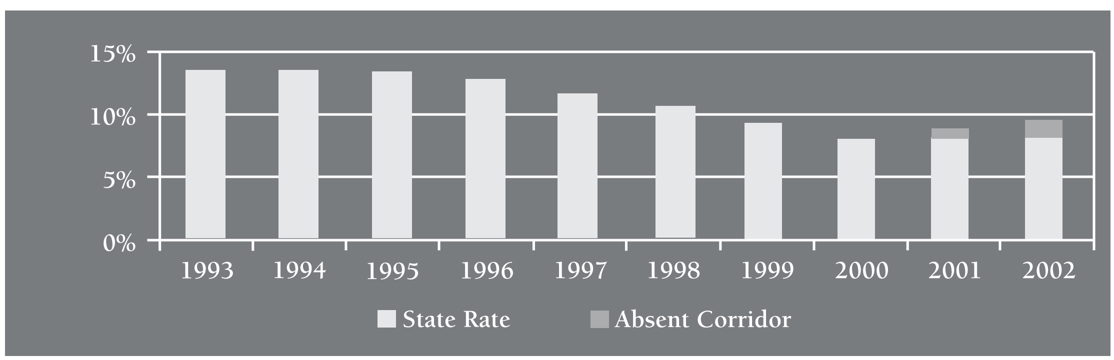

Chart A places into perspective the aforementioned investment and liability performance losses of this past year. The ratio of assets to liabilities (i.e., funding ratio), has continuously grown, not just over the period in the chart but since early 1980's. Despite the investment losses of the past two years, this year's funding ratio is still among the best ever for the State.

Chart B presents an emerging trend that will have investment implications. It is a trend being faced by many state-wide retirement systems, with the aging of our baby boomer generations. Payments to retirees are on the increase, while cash into the fund, from employer and employee contributions, are stable or declining. This is not unanticipated, and essentially explains the past need for total fund buildup.

Finally, Chart C, looks only at the State contribution rate which is used each year to determine the upcoming fiscal year State appropriation. It shows the impact of the past decade's sustained investment gains, a continuous lowering of the rate until 2000. Effective with the 2001 valuation, the State appropriations are performed under a corridor funding method for the two largest plans. The appropriation has remained essentially level since that time.

Actuarial Methods and Assumptions

FUNDING METHOD

The System uses the entry age normal cost method with projection to determine the actuarial accrued liability on which future employer contribution rates will be based. Under this funding method, a total contribution rate is determined which consists of two elements, the normal cost rate and the unfunded actuarial liability rate.

The unfunded actuarial accrued liability (UAAL) is being amortized, as a level percentage of payroll, in two distinct pieces. The UAAL which existed as of the June 30, 2000 actuarial valuation is being amortized over the remaining 18-year period to June 30, 2020. Each new layer of UAAL arising subsequent to June 30, 2000 is being amortized over a 25 year period.

ASSET VALUATION METHOD

Assets are valued for funding purposes using a five-year moving average. Under this method, the year end actuarial asset value equals 1/5 of the current fiscal year end fair value, as reported in the financial statements, plus 4/5 of the "expected market value ". For purposes of this calculation, the "expected market value" is the preceding fiscal year's actuarial asset value, adjusted for the current fiscal year's cash flows with interest accumulated at the actuarial assumed rate of return on investments. This asset valuation method was effective beginning in fiscal year 2001.

ACTUARIAL ASSUMPTIONS

The assumptions used for the actuarial valuation were recommended by the System's independent actuary, based upon periodic analyses of the System's experience, and adopted by the Board of Trustees. Differences between assumed and actuarial experience (i.e., actuarial gains and losses) are part of the unfunded actuarial liability. The following significant assumptions were used in the actuarial valuation as of June 30, 2002:

- a rate of return on investments of 8 percent compounded annually (adopted June 30, 1998);
- projected salary increases of 5 percent compounded annually, attributable to inflation (adopted June 30, 1988);
- additional projected salary increases ranging from 0.94 percent to 6.82 percent per year attributable to seniority and merit (adopted June 30, 1988);
- post-retirement benefit increases ranging from 3 percent to 6 percent per year depending on the system (adopted June 30, 1982);
- rates of mortality, termination of service, disablement and retirement based on actual experience during the period from 1981 through 1996 (adopted June 30, 1998); and
- an increase in the aggregate active member payroll of 5 percent annually (adopted June 30, 1988).

Accounting Statement Information
The Total Systems of the State of Maryland

	2002	2001
A. FASB #35 basis		
1. Present value of benefits accrued to date:		
a. Members currently receiving payments	$ 16,188,035,658	$15,373,574,031
b. Former vested members	595,923,922	566,159,109
c. Active members	10,963,128,706	10,383,223,591
2. Total present value of accrued benefits (1 (a) + 1 (b) + 1 (c))	27,747,088,286	26,322,956,731
3. Assets at market value	26,586,894,393	29,481,509,782
4. Unfunded value of accrued benefits (2-3)	$ 1,160,193,893	$(3,158,553,061)
5. Ratio of assets to value of benefits (3/2)	95.82%	112.00%
B. GASB #25 basis		
1. Actuarial accrued liabilities for retirees and beneficiaries currently receiving benefits and terminated employees not yet receiving benefits	$ 16,783,959,580	$15,939,733,140
2. Actuarial accrued liabilities for current employees	17,347,324,432	16,530,208,653
3. Total actuarial accrued liability (1+2)	34,131,284,012	32,469,941,793
4. Net actuarial assets available for benefits	32,323,263,153	31,914,778,425
5. Unfunded actuarial accrued liability (3-4)	$ 1,808,020,859	$ 555,163,368

SUMMARY OF UNFUNDED ACTUARIAL

Valuation Date June 30,	Actuarial Liabilities For: Active Member Contributions	Retirees, Term Vested and Inactives	Active Members Employer Fin. Portion	Total Liabilities	Actuarial Value of Assets
1993	$1,522,095,569	$ 9,214,710,929	$10,438,449,084	$21,175,255,582	$15,684,924,051
1994	1,466,974,205	9,994,023,038	10,414,465,996	21,875,463,239	16,272,576,616
1995	1,503,414,664	10,622,091,333	10,967,030,922	23,092,536,919	17,666,581,953
1996	1,538,891,321	11,552,405,340	11,149,586,097	24,240,882,758	19,455,279,738
1997	1,502,991,713	12,714,514,210	11,165,702,737	25,383,208,660	21,920,695,723
1998	1,505,629,954	12,866,065,299	13,045,239,668	27,416,934,921	24,850,355,227
1999	1,580,530,209	13,583,779,499	13,311,070,338	28,475,380,046	27,646,578,997
2000	1,662,397,147	14,636,664,952	13,980,804,631	30,279,866,730	30,649,380,445
2001	1,752,989,299	15,939,733,140	14,777,219,354	32,469,941,793	31,914,778,425
2002	1,858,783,727	16,783,959,580	15,488,540,705	34,131,284,012	32,323,263,153

SUMMARY OF RETIREES AND BENEFICIARIES ADDED TO AND REMOVED FROM ROLLS

Fiscal Year Ended	Added to Rolls		Removed from Rolls		Rolls-End of Year		% Increase in Annual Allowances	Average Annual Allowance
	Number	Annual Allowance	Number	Annual Allowances	Number	Annual Allowances		
1993	5,207	$58,378,258	1,732	$8,440,324	59,318	$711,531,666	10.22%	$11,995
1994	4,505	44,993,432	1,933	9,358,981	61,890	772,412,629	8.56	12,480
1995	4,839	43,915,820	2,143	10,702,372	64,594	827,273,808	7.10	12,807
1996	4,784	47,649,016	2,316	11,930,488	67,062	901,855,498	9.02	13,448
1997	7,157	119,374,380	2,731	33,641,211	71,488	987,588,667	9.51	13,815
1998	5,217	90,497,436	2,366	30,768,198	74,339	1,047,317,905	6.05	14,088
1999	5,514	93,034,053	2,375	30,628,858	77,478	1,109,723,100	5.96	14,323
2000	5,758	115,003,079	2,463	31,450,868	80,773	1,211,400,269	7.41	14,998
2001	6,071	145,073,765	2,659	34,172,397	84,185	1,322,301,637	9.15	15,708
2002	5,925	107,545,768	2,743	36,803,883	87,367	1,393,043,522	5.35	15,945

Liabilities / Solvency Test

Ratio of Assets to Actuarial Liabilities						
Active Member Contributions	**Retirees Term Vested and Inactives**	**Active Members Employer Fin. Portion**	**Funded Ratio (Assets/Liab. Coverage)**	**Unfunded Actuarial Liability (UAL)**	**Annualized Payroll (Active Members)**	**UAL as % of Payroll**
100%	100%	47.40%	74.07%	$5,490,331,531	$5,064,529,252	108%
100	100	46.20	74.39	5,602,886,623	5,246,249,283	107
100	100	50.52	76.50	5,425,954,966	5,532,149,777	98
100	100	57.08	80.26	4,785,603,020	5,640,833,581	85
100	100	68.99	86.36	3,462,512,937	5,657,384,942	61
100	100	80.33	90.64	2,566,579,694	5,900,456,000	43
100	100	93.77	97.09	828,801,049	6,312,417,000	13
100	100	102.64	101.22	(369,513,715)	6,725,870,000	(5)
100	100	96.24	98.29	555,163,368	7,255,036,000	8
100	100	88.33	94.70	1,808,020,859	7,937,530,373	23

Statement of Changes in Total Actuarial Present Value of All Accrued Benefits

(Expressed in Millions)

	Accumulated Benefit Obligation (FASB 35)
Actuarial present value of accrued benefits at June 30, 2001	$26,323
Increase (decrease) during year attributable to:	
Passage of Time	2,048
Benefits Paid – FY 2002	(1,454)
Benefits Accrued, Other Gains/Losses	829
Plan Amendment & Changes in Actuarial Assumptions	1
Net Increase	1,424
Actuarial present value of accrued benefits at June 30, 2002	$27,747

Report of the Actuary on the Valuation of the State Retirement and Pension System of Maryland as of June 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	190,123	184,600	3.0%
Retired Members and Beneficiaries	87,367	84,185	3.8
Vested Deferred Members	30,733	29,365	4.7
Inactive Status Members	13,622	13,834	(1.5)
Total Participants	321,845	311,984	3.2
Annual Salaries of Active Members*	$ 7,867,794,200	$ 7,255,035,610	8.4
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 1,393,043,522	$ 1,322,301,637	5.3
2. Assets and Liabilities			
Total Actuarial Liability	$34,131,284,012	$32,469,941,793	5.1
Assets for Valuation Purposes	32,323,263,153	31,914,778,425	1.3
Unfunded Actuarial Liability (Surplus)	$ 1,808,020,859	$ 555,163,368	225.7
FASB Accrued Liability	$27,747,088,286	$26,322,956,731	5.4
Market Value of Assets	26,586,894,393	29,481,509,792	(9.8)
Unfunded FASB Accrued Liability (Surplus)	$ 1,160,193,893	$ (3,158,553,061)	136.7

*Does not include members of State Police and LEOPS who have elected the DROP.

REPORT OF THE ACTUARY ON THE TWENTY-THIRD ANNUAL VALUATION OF THE TEACHERS' COMBINED SYSTEM OF THE STATE OF MARYLAND AS OF JUNE 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	96,356	93,297	3.3%
Retired Members and Beneficiaries	41,920	40,126	4.5
Vested Deferred Members	11,416	11,084	3.0
Inactive Status Members	6,624	6,253	5.9
Total Participants	156,316	150,760	3.7
Annual Salaries of Active Members	$ 4,323,053,923	$ 3,994,200,749	8.2
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 857,620,744	$ 814,309,146	5.3
2. Assets and Liabilities			
Total Actuarial Liability	$21,117,046,756	$20,126,942,916	4.9
Assets for Valuation Purposes	19,424,000,237	19,182,748,593	1.3
Unfunded Actuarial Liability (Surplus)	$ 1,693,046,519	$ 944,194,323	79.3
FASB Accrued Liability	$17,434,637,904	$16,578,147,167	5.2
Market Value of Assets	16,052,071,028	17,757,484,649	(9.6)
Unfunded FASB Accrued Liability (Surplus)	$ 1,382,566,876	$(1,179,337,482)	217.2

Report of the Actuary on the Twenty-third Annual Valuation of the Employees' Combined System of the State of Maryland as of June 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	90,306	87,986	2.6%
Retired Members and Beneficiaries	43,109	41,914	2.9
Vested Deferred Members	19,274	18,238	5.7
Inactive Status Members	6,902	7,508	(8.1)
Total Participants	159,591	155,646	2.5
Annual Salaries of Active Members	$ 3,356,670,791	$ 3,084,858,658	8.8
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 456,344,866	$ 436,065,377	4.7
2. Assets and Liabilities			
Total Actuarial Liability	$11,385,748,668	$10,789,907,444	5.5
Assets for Valuation Purposes	11,162,264,863	11,021,958,221	1.3
Unfunded Actuarial Liability (Surplus)	$ 223,483,805	$ (232,050,777)	196.3
FASB Accrued Liability	$ 8,914,453,515	$ 8,427,739,300	5.8
Market Value of Assets	9,147,398,773	10,163,468,197	(10.0)
Unfunded FASB Accrued Liability (Surplus)	$ (232,945,258)	$(1,735,728,897)	86.6

Report of the Actuary on the Fifty-third Annual Valuation of the State Police Retirement System of the State of Maryland as of June 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	1,589	1,578	0.7%
Retired Members and Beneficiaries	1,598	1,518	5.3
Vested Deferred Members	20	17	17.6
Inactive Status Members	7	7	0.0
Total Participants	3,214	3,120	3.0
Annual Salaries of Active Members*	$ 83,141,520	$ 79,382,508	4.7
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 51,669,491	$ 48,112,876	7.4
2. Assets and Liabilities			
Total Actuarial Liability	$1,030,575,150	$ 993,846,504	3.7
Assets for Valuation Purposes	1,300,401,695	1,305,556,360	(0.4)
Unfunded Actuarial Liability (Surplus)	$ (269,826,545)	$(311,709,856)	13.4
FASB Accrued Liability	$ 880,447,034	$ 850,355,817	3.5
Market Value of Assets	1,029,851,036	1,191,212,970	(13.5)
Unfunded FASB Accrued Liability (Surplus)	$ (149,404,002)	$(340,857,153)	56.2

* Does not include members who elected DROP.

Report of the Actuary on the Twenty-third Annual Valuation of the Pension Plan of Judges and Their Surviving Spouses as of June 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	281	281	0.0%
Retired Members and Beneficiaries	311	297	4.7
Vested Deferred Members	10	13	(23.1)
Inactive Status Members	0	0	0.0
Total Participants	602	591	1.9
Annual Salaries of Active Members	$ 31,824,096	$ 30,554,439	4.2
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 17,222,280	$ 16,348,558	5.3
2. Assets and Liabilities			
Total Actuarial Liability	$267,532,209	$254,913,338	5.0
Assets for Valuation Purposes	234,558,099	229,022,330	2.4
Unfunded Actuarial Liability (Surplus)	$ 32,974,110	$ 25,891,008	27.4
FASB Accrued Liability	$238,645,966	$226,739,559	5.3
Market Value of Assets	192,192,005	211,168,347	(9.0)
Unfunded FASB Accrued Liability (Surplus)	$ 46,453,961	$ 15,571,212	198.3

Report of the Actuary on the Twelfth Annual Valuation of the Law Enforcement Officers' Pension System of the State of Maryland as of June 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	1,410	1,318	7.0%
Retired Members and Beneficiaries	403	309	30.4
Vested Deferred Members	8	9	(11.1)
Inactive Status Members	58	40	45.0
Total Participants	1,879	1,676	12.1
Annual Salaries of Active Members*	$ 65,915,519	$ 60,438,291	9.1
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 9,683,261	$ 7,042,118	37.5
2. Assets and Liabilities			
Total Actuarial Liability	$312,057,677	$290,503,784	7.4
Assets for Valuation Purposes	191,099,965	165,478,453	15.5
Unfunded Actuarial Liability (Surplus)	$120,957,712	$124,025,331	(3.1)
FASB Accrued Liability	$266,438,611	$230,671,777	15.5
Market Value of Assets	156,055,488	149,057,875	4.7
Unfunded FASB Accrued Liability (Surplus)	$110,383,123	$ 81,613,902	35.3

* Does not include members who elected DROP.

Report of the Actuary on the Twelfth Annual Valuation of the Local Fire and Police System of the State of Maryland as of June 30, 2002

Summary of Principal Results

	June 30, 2002	June 30, 2001	% Change
1. Participant Data			
Number of:			
Active Members	181	140	29.3%
Retired Members and Beneficiaries	26	21	23.8
Vested Deferred Members	5	4	25.0
Inactive Status Members	31	26	19.2
Total Participants	243	191	27.2
Annual Salaries of Active Members	$ 7,188,351	$ 5,600,965	28.3
Annual Retirement Allowances for Retired Members and Beneficiaries	$ 502,880	$ 423,562	18.7
2. Assets and Liabilities			
Total Actuarial Liability	$18,323,552	$13,827,807	32.5
Assets for Valuation Purposes	10,938,294	9,814,468	11.5
Unfunded Actuarial Liability (Surplus)	$ 7,385,258	$ 4,013,339	84.0
FASB Accrued Liability	$12,465,256	$ 9,303,111	34.0
Market Value of Assets	9,326,064	9,117,752	2.3
Unfunded FASB Accrued Liability (Surplus)	$ 3,139,192	$ 185,359	1,593.6

Schedule of Active Membership Valuation Data by Plan

Teachers' Retirement

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	22,598	$1,029,724,826	$45,567	2.11 %
1994	19,135	887,582,851	46,385	1.80
1995	18,011	877,613,890	48,727	5.05
1996	16,850	843,710,972	50,072	2.76
1997	15,619	799,096,847	51,162	2.18
1998	14,346	760,092,729	52,983	3.56
1999	13,043	719,046,552	55,129	4.05
2000	11,634	671,990,806	57,761	4.77
2001	10,396	638,864,807	61,453	6.39
2002	9,270	604,172,528	65,175	6.06

Teachers' Pension

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	53,235	$1,685,895,609	$31,669	1.84 %
1994	58,898	1,934,173,528	32,839	3.69
1995	61,749	2,108,777,126	34,151	4.00
1996	63,818	2,221,492,064	34,810	1.93
1997	66,978	2,352,121,326	35,118	0.88
1998	71,435	2,559,167,548	35,825	2.01
1999	75,578	2,831,567,375	37,465	4.58
2000	79,297	3,057,854,648	38,562	2.93
2001	82,901	3,355,335,942	40,474	4.96
2002	87,086	3,718,881,395	42,704	5.51

Employees' Retirement

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	16,775	$517,025,369	$30,821	0.62 %
1994	15,852	491,015,282	30,975	0.50
1995	15,306	491,241,364	32,095	3.62
1996	14,850	490,784,260	33,049	2.97
1997	13,469	445,726,994	33,093	0.13
1998	13,149	439,012,253	33,388	0.89
1999	12,657	436,772,178	34,508	3.35
2000	12,213	444,062,220	36,360	5.37
2001	11,962	457,899,607	38,280	5.28
2002	11,722	470,462,717	40,135	4.85

Schedule of Active Membership Valuation Data by Plan
(continued)

Employees' Pension

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	67,447	$ 1,737,891,857	$ 25,767	0.71 %
1994	69,653	1,837,305,530	26,378	2.37
1995	71,328	1,955,054,635	27,409	3.91
1996	70,215	1,984,030,014	28,257	3.09
1997	68,195	1,953,776,617	28,650	1.39
1998	68,893	2,009,173,639	29,164	1.79
1999	70,426	2,176,887,154	30,910	5.99
2000	73,212	2,385,187,733	32,579	5.40
2001	76,024	2,626,959,051	34,554	6.06
2002	78,584	2,886,208,074	36,728	6.29

Judges' Retirement

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	264	$ 22,605,184	$ 85,626	0.22 %
1994	266	22,831,506	85,833	0.24
1995	260	23,063,700	88,707	3.35
1996	264	23,917,131	90,595	2.13
1997	268	25,007,240	93,311	3.00
1998	273	25,552,537	93,599	0.31
1999	283	29,576,854	104,512	11.66
2000	283	30,146,837	106,526	1.93
2001	281	30,554,439	108,735	2.07
2002	281	31,824,096	113,253	4.16

State Police Retirement

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	1,583	$ 58,001,744	$ 36,640	0.30 %
1994	1,584	59,097,769	37,309	1.83
1995	1,577	60,677,175	38,476	3.13
1996	1,544	60,823,269	39,393	2.38
1997	1,588	62,936,492	39,633	0.61
1998	1,635	70,663,067	43,219	9.05
1999	1,647	75,601,750	45,903	6.21
2000	1,636	79,388,246	48,526	5.71
2001	1,578	79,382,508	50,306	3.67
2002	1,589	83,141,520	52,323	4.01

Schedule of Active Membership Valuation Data by Plan
(continued)

Law Enforcement Officers' Pension

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	277	$ 9,775,208	$ 35,290	(2.70%)
1994	277	10,176,944	36,740	4.11
1995	301	11,368,811	37,770	2.80
1996	294	11,645,942	39,612	4.88
1997	317	12,904,416	40,708	2.77
1998	755	30,511,663	40,413	(0.72)
1999	862	36,435,243	42,268	4.59
2000	1,130	50,301,859	44,515	5.32
2001	1,318	60,438,291	45,856	3.01
2002	1,410	65,915,519	46,748	1.95

Local Fire and Police

Valuation Date As of June 30,	Number	Annual Payroll	Annual Average Pay	% Increase Avg. Pay
1993	117	$ 3,609,455	$ 30,850	2.82 %
1994	131	4,065,873	31,037	0.61
1995	134	4,353,076	32,486	4.67
1996	133	4,429,929	33,308	2.53
1997	168	5,815,010	34,613	3.92
1998	177	6,287,842	35,525	2.63
1999	178	6,529,920	36,685	3.27
2000	184	6,937,750	37,705	2.78
2001	140	5,600,965	40,007	6.11
2002	181	7,188,351	39,715	(0.73)

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JUDGES' RETIREMENT SYSTEM

The Judges' Retirement System was established by the General Assembly in 1969. Future survivor, disability and retirement benefits will be provided to its current active membership of 281 participants. The Judicial System of Maryland is responsible for issuing findings of fact and conclusions of law in both criminal and civil matters. Membership includes judges of the District Court, Circuit Court, Court of Appeals and the Court of Special Appeals, as well as State Workers' Compensation Commissioners.

Schedule of Retired Members by Type
as of June 30, 2002

Amount of Monthly Benefit	Number of Retirees	Type of Retirement 1	2	3	4	5	6	7
$ 1 – 300	13,900	10,283	1,285	936	31	51	988	326
301 – 600	13,746	8,617	1,689	1,012	94	66	1,945	323
601 – 900	10,860	7,016	1,232	754	91	130	1,451	186
901 – 1,200	9,464	6,241	1,136	549	105	289	1,034	110
1,201 – 1,500	8,008	5,252	1,221	395	86	326	674	54
1,501 – 1,800	7,087	4,724	1,172	290	95	302	464	40
1,801 – 2,100	6,038	4,232	927	210	69	275	313	12
2,101 – 2,400	5,358	4,057	719	128	67	178	199	10
2,401 – 2,700	4,500	3,792	350	95	31	126	98	8
2,701 – 3,000	3,047	2,597	222	64	29	95	38	2
Over 3,000	5,359	4,584	233	195	40	254	45	8
	87,367	61,395	10,186	4,628	738	2,092	7,249	1,079

Type of Retirement:

1 – Normal retirement for age and service
2 – Early retirement
3 – Survivor payment – normal or early retirement
4 – Survivor payment – death in service
5 – Accidental disability retirement
6 – Ordinary disability retirement
7 – Survivor payment – disability retirement

Schedule of Benefit Expense by Type
(Expressed In Thousands)

Fiscal Year	Age & Service Benefits Retirees	Age & Service Benefits Survivors	Death In Service Pre-Retirement Benefits	Disability Benefits Retirees Accidental	Disability Benefits Retirees Ordinary	Disability Benefits Survivors	Death After Retirement Post-Retirement Benefits	Total
1993	$ 623,065	$35,080	$7,051	$16,320	$ 39,807	$ 3,593	$ 10,567	$ 735,483
1994	668,488	37,924	7,084	18,458	42,378	3,904	7,669	785,905
1995	713,331	41,036	7,323	20,889	44,764	4,418	12,395	844,156
1996	758,148	44,670	6,863	23,812	48,578	4,885	10,765	897,721
1997	823,755	48,178	6,352	26,419	51,660	5,445	11,294	973,103
1998	887,541	51,908	6,756	28,465	55,661	5,866	11,577	1,047,774
1999	942,736	55,997	6,335	33,788	59,219	6,451	10,560	1,115,086
2000	974,585	62,158	7,372	25,801	96,168	14,073	10,797	1,190,954
2001	1,039,129	66,756	7,561	29,230	103,575	15,599	10,954	1,272,804
2002	1,116,884	72,211	7,908	32,642	113,107	16,836	12,738	1,372,325

of Retirement and Option Selected

#Option Selected							
Max.	Opt. 1	Opt. 2	Opt. 3	Opt. 4	Opt. 5	Opt. 6	Opt. 7
5,448	3,403	1,835	1,234	1,199	338	431	12
4,555	2,962	1,650	1,769	1,929	262	601	18
3,278	1,974	1,397	1,586	1,931	189	496	9
2,590	1,523	1,485	1,460	1,696	233	466	11
2,053	1,322	1,387	1,218	1,358	229	434	7
1,944	1,097	1,180	1,065	1,247	173	376	5
1,843	793	974	880	1,160	119	258	11
1,630	650	863	793	1,026	134	253	9
1,421	552	564	702	973	59	223	6
1,055	343	344	486	638	35	134	12
2,071	454	686	982	948	53	149	16
27,888	15,073	12,365	12,175	14,105	1,824	3,821	116

Option Selected:

Max. – At member's death, all payments cease. Surviving beneficiary(ies) will receive pro-rated payment for the number of days in the final month.

Opt. 1 – Guarantees return of the present value of the retirement benefit less the total payments already paid to the member.

Opt. 2 – Guarantees the same payment to the designated beneficiaries for their lifetime.

Opt. 3 – Guarantees one half the member's payment to the designated beneficiaries for their lifetime.

Opt. 4 – Guarantees return of the member's accumulated contributions and interest less the member's accumulated reserves already paid.

Opt. 5 – Guarantees the same payment to the designated beneficiaries for their lifetime, unless the beneficiaries predecease the respective members. Allowance then increases to the maximum.

Opt. 6 – Guarantees one half the member's payment to the designated beneficiaries for their lifetime, unless the beneficiaries predecease the respective members. Allowance then increases to the maximum.

Opt. 7 – Special option calculation performed by actuary.

Summary of Membership

	Total	Teachers' Retirement	Teachers' Pension	*Employees' Retirement
From 7/1/97 to 6/30/98				
Active Members	170,663	14,346	71,435	13,149
Average Annual Salary	$34,574	$52,983	$35,825	$33,388
Retired Members	74,339	27,841	6,499	25,827
Average Annual Retirement Allowances	$14,088	$20,311	$10,513	$11,411
Vested Former Members	37,476	1,965	12,442	1,372
From 7/1/98 to 6/30/99				
Active Members	174,674	13,043	75,578	12,657
Average Annual Salary	$36,138	$56,129	$37,466	$34,508
Retired Members	77,478	28,383	7,674	25,730
Average Annual Retirement Allowances	$14,557	$21,170	$10,945	$11,917
Vested Former Members	39,665	1,906	13,304	1,377
From 7/1/99 to 6/30/00				
Active Members	179,586	11,634	79,294	12,213
Average Annual Salary	$37,452	$57,761	$38,564	$36,360
Retired Members	80,773	29,061	9,084	25,489
Average Annual Retirement Allowances	$14,998	$22,050	$11,376	$12,394
Vested Former Members	42,514	1,857	14,860	1,401
From 7/1/00 to 6/30/01				
Active Members	184,600	10,396	82,901	11,962
Average Annual Salary	$39,301	$61,453	$40,474	$38,280
Retired Members	84,185	29,599	10,527	25,212
Average Annual Retirement Allowances	$15,707	$23,282	$11,893	$13,137
Vested Former Members	43,199	1,730	15,607	1,350
From 7/1/01 to 6/30/02				
Active Members	190,123	9,270	87,086	11,722
Average Annual Salary	$41,383	$65,175	$42,704	$40,135
Retired Members	87,367	29,989	11,931	24,904
Average Annual Retirement Allowances	$15,945	$23,510	$12,788	$13,285
Vested Former Members	44,355	1,643	16,397	1,331

* Includes members of the Maryland General Assembly and correctional officers.

Data by Plan

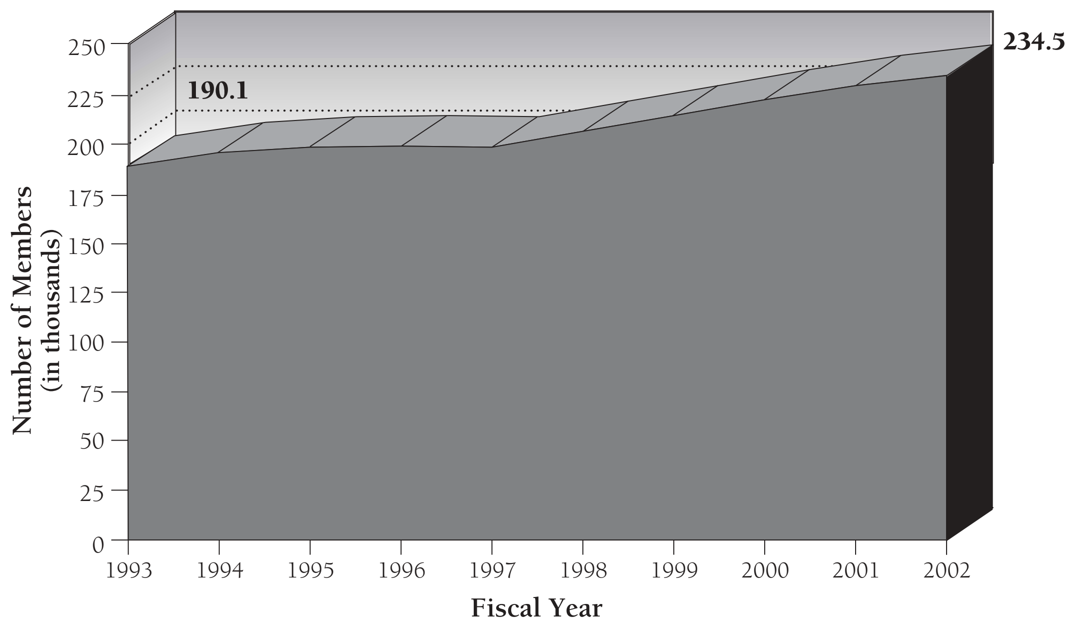
Employees' Pension	Judges' Retirement	State Police Retirement	Law Enforcement Officers' Pension	Local Fire and Police
68,893	273	1,635	755	177
$29,164	$93,599	$43,219	$40,413	$35,525
12,513	275	1,234	139	11
$5,437	$49,811	$27,462	$21,499	$19,891
21,622	16	24	21	14
70,426	283	1,647	862	178
$30,910	$104,512	$45,903	$42,268	$36,685
13,937	284	1,286	170	14
$5,685	$51,292	$30,026	$21,702	$19,422
22,988	13	29	30	18
73,212	283	1,636	1,130	184
$32,579	$106,524	$48,526	$44,515	$37,705
15,241	285	1,388	206	19
$5,929	$52,360	$29,701	$21,670	$19,795
24,305	13	22	36	20
76,024	281	1,578	1,318	140
$34,554	$108,735	$50,306	$45,856	$40,007
16,702	297	1,518	309	21
$6,278	$55,046	$31,695	$22,790	$20,170
24,396	13	24	49	30
78,584	281	1,589	1,410	181
$36,728	$113,253	$52,323	$46,749	$39,715
18,205	311	1,598	403	26
$6,894	$55,377	$32,334	$24,028	$19,341
24,845	10	27	66	36

Ten-Year History of Membership by Plan

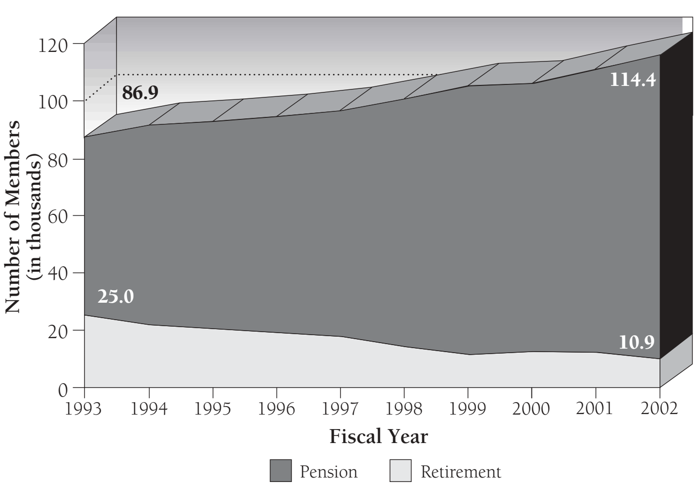
Fiscal Year	Total	Teachers' Retirement	Teachers' Pension	Employees' Retirement*	Employees' Pension	Judges' Retirement	State Police Retirement	Law Enforcement Officers' Pension	Local Fire and Police
1993	190,142	25,026	61,915	18,422	82,515	273	1,595	278	118
1994	199,310	21,458	69,582	17,403	88,570	275	1,600	284	138
1995	201,058	20,223	71,941	16,842	89,742	273	1,592	307	138
1996	201,832	18,981	74,673	16,326	89,567	277	1,564	304	140
1997	202,568	17,681	78,659	14,912	88,918	282	1,610	328	178
1998	208,139	16,311	83,877	14,521	90,515	289	1,659	776	191
1999	214,339	14,949	88,882	14,034	93,414	296	1,676	892	196
2000	222,100	13,491	94,154	13,614	97,517	296	1,658	1,166	204
2001	227,799	12,126	98,508	13,312	100,420	294	1,602	1,367	170
2002	234,478	10,913	103,483	13,053	103,429	291	1,616	1,476	217

Note: Includes vested former members. *Includes members of the Maryland General Assembly and correctional officers.

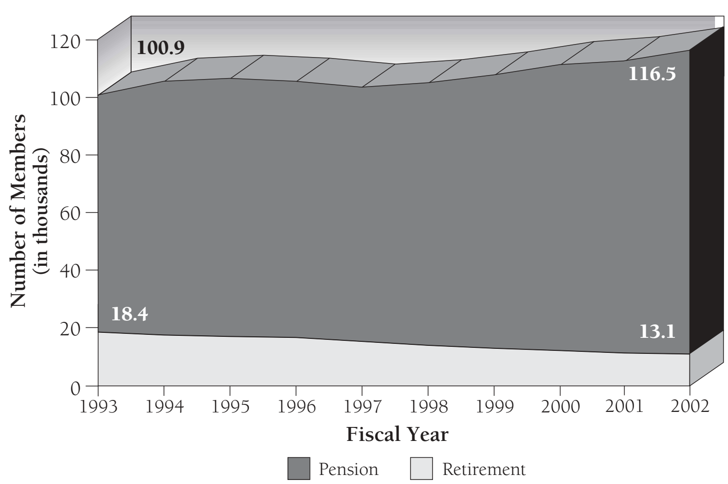
Total System Membership



Membership In Teachers' Plans



Membership In Employees' Plans

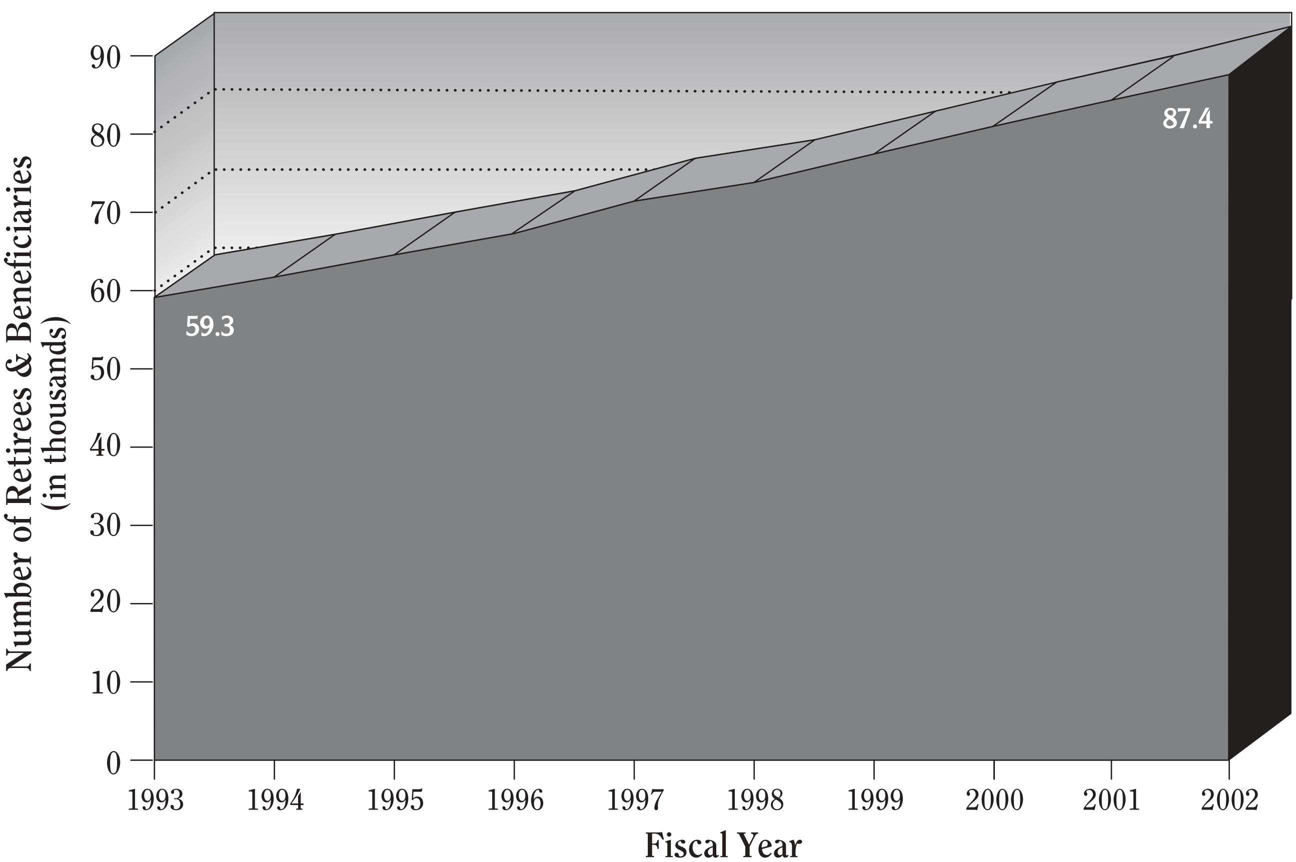


Ten-Year History of Retirees and Beneficiaries by Plan

Fiscal Year	Total	Teachers' Retirement	Teachers' Pension	Employees' Retirement*	Employees' Pension	Judges' Retirement	State Police Retirement	Law Enforcement Officers' Pension	Local Fire and Police
1993	59,318	25,287	2,276	24,562	5,976	234	920	59	4
1994	61,890	25,887	2,935	24,802	6,972	240	972	76	6
1995	64,594	26,379	3,686	24,994	8,143	251	1,046	87	8
1996	67,062	26,794	4,530	24,946	9,307	260	1,112	104	9
1997	71,488	27,330	5,481	25,882	11,221	273	1,175	117	9
1998	74,339	27,841	6,499	25,827	12,513	275	1,234	139	11
1999	77,478	28,383	7,674	25,730	13,937	284	1,286	170	14
2000	80,773	29,061	9,084	25,489	15,241	285	1,388	206	19
2001	84,185	29,599	10,527	25,212	16,702	297	1,518	309	21
2002	87,367	29,989	11,931	24,904	18,205	311	1,598	403	26

* Includes members of the Maryland General Assembly and correctional officers.

Total System Retirees and Beneficiaries



Ten-Year History of Changes in Fund Balance for the Years Ended June 30,

(Expressed in Millions)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Fund balance, beginning of year	$14,382.8	$16,505.4	$16,061.1	$18,467.3	$20,755.7	$24,542.8	$28,061.2	$29,985.6	$33,110.7	$29,481.4
Contributions	769.7	751.1	779.2	809.5	824.7	814.4	855.7	864.9	824.1	780.7
Net investment income	2,224.4	90.6	2,497.8	2,436.0	3,985.3	3,782.2	2,225.4	3,487.7	(3,138.8)	(2,265.3)
Benefit and expense payments	(871.5)	(1,286.0)	(870.8)	(957.1)	(1,022.9)	(1,078.2)	(1,156.7)	(1,227.5)	(1,314.6)	(1,409.9)
Fund balance, end of year	$16,505.4	$16,061.1	$18,467.3	$20,755.7	$24,542.8	$28,061.2	$29,985.6	$33,110.7	$29,481.4	$26,586.9

Ten-Year History of Employer Contribution Rates by Plan

	State						Participating Governmental Units			
Fiscal Year	Combined State Contribution Rate	Teachers' Combined Rate	Employees' Combined Rate	Judges' Retirement	State Police Retirement	Law Enforcement Officers' Pension	Combined Participating Governmental Unit Contribution Rate	Local Fire and Police	Employees' Retirement	Employees' Pension
1993	13.89%	16.31%	9.15%	54.98%	28.72%	33.58%	7.88%	15.43%	10.24%	7.35%
1994	13.40	15.76	8.70	54.25	25.74	32.56	7.64	15.85	11.97	6.76
1995	13.43	15.92	8.70	52.84	19.36	34.07	7.15	16.17	9.43	6.69
1996	13.61	16.22	8.61	52.51	19.13	35.68	7.96	16.31	11.58	7.35
1997	13.50	16.09	8.54	52.56	17.65	35.15	7.92	16.19	10.91	7.46
1998	12.90	15.48	8.21	52.49	13.08	26.27	7.04	16.29	11.96	6.96
1999	11.67	13.99	7.13	52.12	10.91	25.60	6.02	16.42	10.91	5.91
2000	10.70	12.54	7.15	48.18	1.26	22.96	3.83	14.99	8.70	3.70
2001	9.31	10.95	5.71	46.75	8.44	23.38	2.95	15.00	7.81	2.81
2002	7.98	9.35	4.73	42.66	5.83	32.41	1.94	14.85	6.75	1.75

Ten-Year History of Revenues by Source and Expenses by Type

(Expressed in Thousands)

REVENUES

Fiscal Year	Members' Contributions	Employers' and Other Contributions	Annual Covered Payroll	Employers' and Other Contributions as a Percent of Covered Payroll	Net Investment Income	Total Revenues
1993	$102,163	$667,553	$5,064,529	13.18 %	$ 2,224,444	$ 2,994,160
1994	93,626	657,429	5,246,249	12.53	90,567	841,622
1995	89,835	689,342	5,532,150	12.46	2,497,840	3,277,017
1996	87,862	721,615	5,640,834	12.79	2,436,042	3,245,519
1997	84,444	740,258	5,657,385	13.08	3,985,260	4,809,962
1998	78,609	735,788	5,900,456	12.47	3,782,237	4,596,634
1999	162,342	693,353	6,312,417	10.98	2,225,398	3,081,093
2000	182,507	682,422	6,725,870	10.15	3,487,722	4,352,651
2001	189,769	634,309	7,255,036	8.74	(3,138,763)	(2,314,651)
2002	199,304	581,371	7,867,794	7.39	(2,265,315)	(1,484,640)

EXPENSES

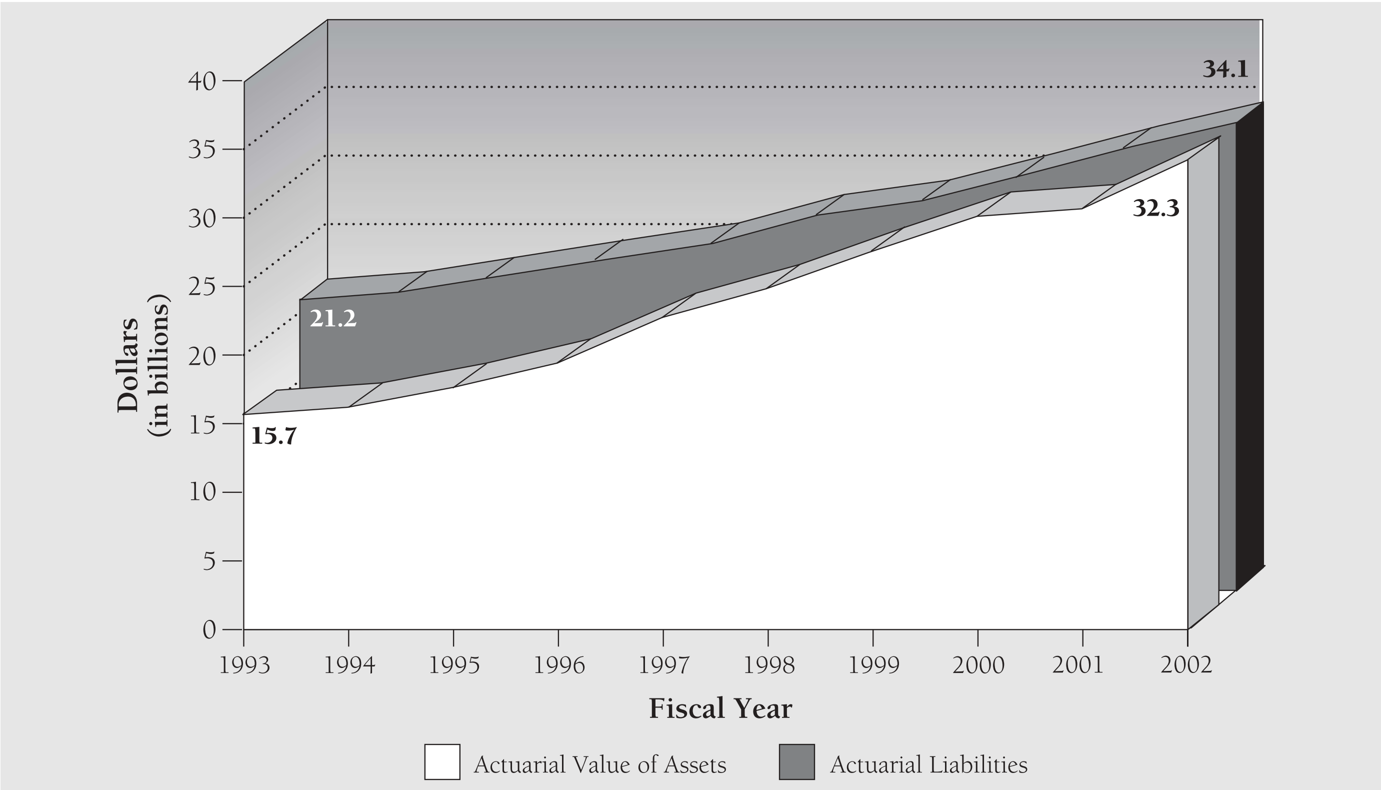
Fiscal Year	Benefits	Administrative Expenses	Refunds	Total
1993	$735,483	$10,399	$125,671	$871,553
1994	785,905	8,687	491,361	1,285,953
1995	844,156	8,208	18,451	870,815
1996	897,721	8,568	50,871	957,160
1997	973,103	9,717	40,060	1,022,880
1998	1,047,774	10,441	20,007	1,078,222
1999	1,115,086	24,742	16,898	1,156,726
2000	1,190,954	19,751	16,805	1,227,510
2001	1,272,804	24,823	16,977	1,314,604
2002	1,372,325	20,064	17,476	1,409,865

Contributions Required and Made

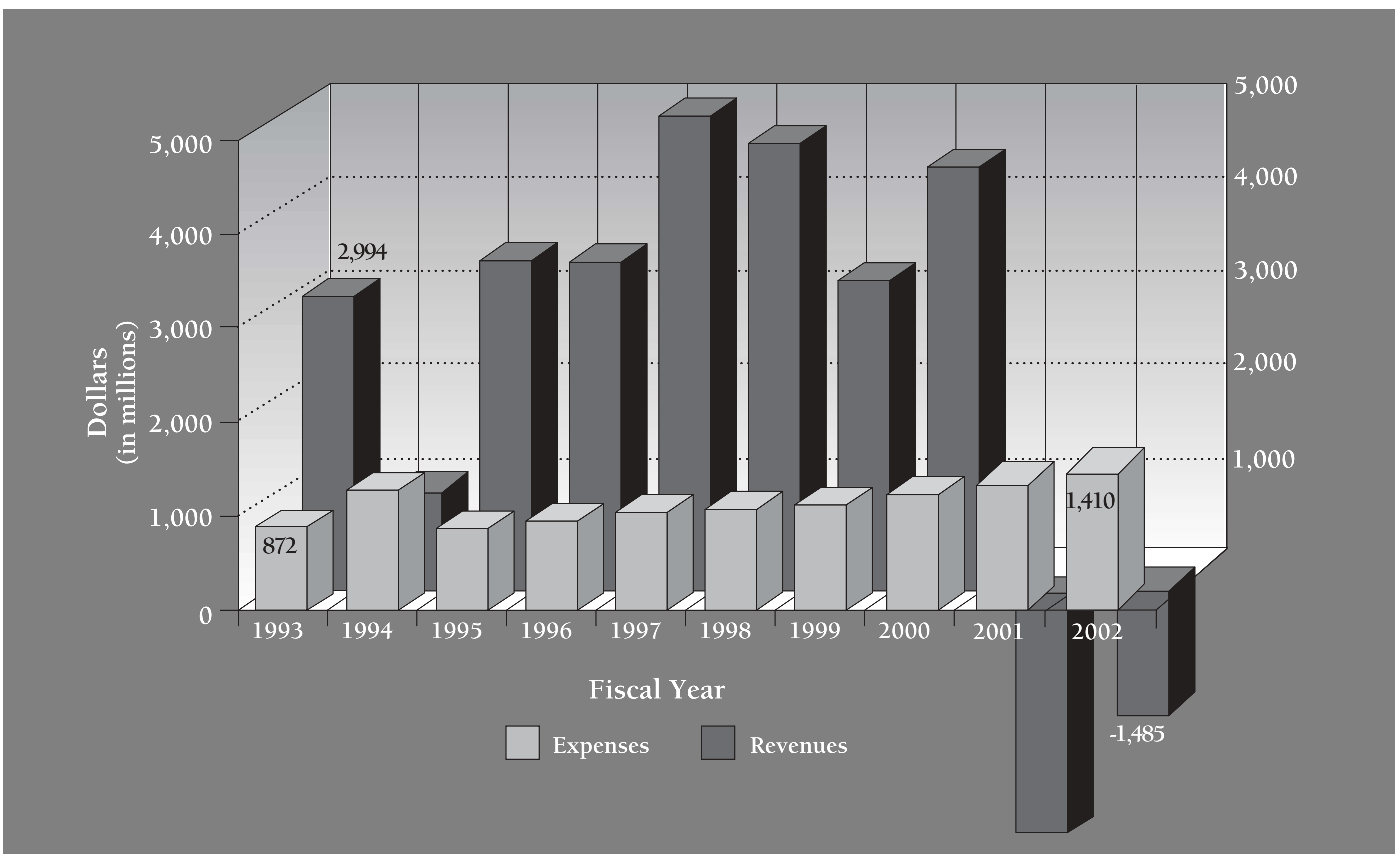
(Expressed in Thousands)

	Teachers' Retirement and Pension	Employees' Retirement and Pension	Judges' Retirement	State Police Retirement	Local Fire and Police	Law Enforcement Officers' Pension	Totals 2002	2001
Employer and Other Contributions:								
Normal	$ 312,680	$296,890	$11,601	$28,198	$ 901	$14,543	$664,813	$588,878
Unfunded Actuarial Liability	48,253	(116,692)	1,775	(23,291)	299	6,214	(83,442)	45,431
Total Employer Contributions	$ 360,933	$180,198	$13,376	$ 4,907	$ 1,200	$20,757	$581,371	$634,309
Contribution Rates Expressed as a Percentage of Payroll:								
State:								
Normal	8.10%	6.15%	37.00%	33.50%	–	23.15%	8.00%	7.94%
Unfunded Actuarial Liability	1.25%	-1.42%	5.66%	-27.67%	–	9.26%	-0.02%	1.37%
Total State	9.35%	4.73%	42.66%	5.83%	N/A	32.41%	7.98%	9.31%
Participating Governmental Units:								
Normal	–	5.15%	–	–	11.15%	–	5.24%	5.22%
Unfunded Actuarial Liability	–	-3.40%	–	–	3.70%	–	- 3.30%	-2.27%
Total Municipal	N/A	1.75%	N/A	N/A	14.85%	N/A	1.94%	2.95%

Ten-Year History of Funding Progress



Ten-Year History of Revenue vs. Expenses



Governmental Units Participating in the Systems as of June 30, 2002

Allegany Community College
Allegany County Board of Education
Allegany County Commission
Allegany County Housing Authority
Allegany County Library
Allegany County Transit Authority
Annapolis, City of
Anne Arundel County Board of Education
Anne Arundel County Community College
Anne Arundel County Economic Opportunity Commission
Baltimore Metropolitan Council
Berlin, Town of
Brunswick, Town of
Calvert County Board of Education
Cambridge, City of
Caroline County Board of Education
Carroll County Board of Education
Carroll County Public Library
Carroll Soil Conservation District
Catoctin & Frederick Soil Conservation District
Cecil County Board of Education
Cecil County Commission
Cecil County Library
Charles County Community College
Chesapeake Bay Commission
Cheverly, Town of
Cresaptown Civic Improvement Association
Crisfield, City of
Crisfield Housing Authority
Cumberland, City of
Cumberland, City of – Police Department
Denton, Town of
Dorchester County Board of Education
Dorchester County Commission
Dorchester County Roads Board
Eastern Shore Regional Library
Frederick County Board of Education
Fruitland, City of
Garrett County Board of Education
Garrett County Commission
Garrett County Community Action Committee
Garrett County Office for Children, Youth and Family
Garrett County Roads Board
Greenbelt, City of
Hagerstown, City of
Hagerstown Junior College
Harford Community College
Harford County Board of Education
Harford County Government
Harford County Library
Housing Authority of Cambridge
Howard Community College
Howard County Board of Education
Howard County Community Action Committee
Hurlock, Town of
Hyattsville, City of
Kent County Board of Education
LaPlata, Town of
Lower Shore Private Industry Council
Manchester, Town of
Maryland Health & Higher Education Facilities Authority
Middletown, Town of
Montgomery College
Mount Airy, Town of
Mount Rainier, City of
New Carrollton, City of
North Beach, Town of
Northeast Maryland Waste Disposal Authority
Oakland, Town of
Oxford, Town of
Pocomoke City
Preston, Town of
Prince Georges Community College
Prince Georges County Board of Education
Prince Georges County Crossing Guards
Prince Georges County Government
Prince Georges County Memorial Library
Princess Anne, Town of
Queen Anne's County Board of Education
Queen Anne's County Commission
Regional Educational Service Agency of Appalachian Maryland
St. Mary's County Board of Education
St. Mary's County Commission
Salisbury, City of
Shore up!
Snow Hill, Town of
Somerset County Board of Education
Somerset County Commission
Somerset County Sanitary District, Inc.
Southern Maryland Tri-County Community Action Committee
St. Michaels, Commissioners of
Takoma Park, City of
Talbot County Board of Education
Talbot County Council
Tri-County Council of Western Maryland
Upper Marlboro, Town of
Walkersville, Town of
Washington County Board of Education
Washington County Board of License Commission
Washington County Library
Westminister, City of
Worcester County Board of Education
Worcester County Commission
Worcester County Liquor Board
Wor-Wic Tech Community College

Withdrawn Governmental Units

Anne Arundel County Government
Bethesda Fire Department
Calvert County Commission
Caroline County Roads Board
Carroll County Government
Chevy Chase Fire Department
Elkton, Town of
Frederick County Government
Harford County Liquor Board
Health Systems Agency of Western Maryland
Howard County Economic Development Authority
Howard County Government
Interstate Commission on the Potomac River Basin
Lexington Market Authority
Maryland Environmental Services
Maryland National Capital Park & Planning Commission
Montgomery County Board of Education
Montgomery County Government
Montgomery County Public Library
Rockville, City of
St. Mary's Nursing Home
University of Maryland Medical System
Washington County Commission
Washington County License Commissioners
Washington County Roads Board
Washington County Sanitary District
Washington Suburban Sanitary Commission
Wicomico County Department of Recreation and Parks
Wicomico County Roads Board

PLAN SUMMARY SECTION

LAW ENFORCEMENT OFFICERS' PENSION SYSTEM

The Law Enforcement Officers' Pension System was established by the General Assembly in 1990. This system was designed specifically for law enforcement officers employed by the Department of Natural Resources (DNR). In recent years this system has been expanded to include other Maryland State law enforcement officer groups. The Maryland Natural Resources Police represent the largest participating group as well as the oldest state law enforcement organization in Maryland. This plan comprises highly trained professional officers who perform their duties on land, in the air, and on the water. This system provides future survivor, disability and retirement benefits for over 960 participants.

TEACHERS' RETIREMENT SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	9,269	10,395
Active Non-vested	1	1
Terminated Vested	1,643	1,730
Retired Members	29,989	29,599
Active Members		
Number	9,270	10,396
Average Age	55.0	54.4
Average Years of Service	28.0	27.4
Average Annual Salary	$65,175	$61,453
Retirees & Beneficiaries		
Number	29,989	29,599
Average Age	72.1	71.9
Average Monthly Benefit	$ 1,959	$ 1,940

THE TEACHERS' RETIREMENT SYSTEM (TRS) was established on August 1, 1927 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Prior to January 1, 1980, membership in the TRS was a condition of employment for State and local teachers and certain board of education, public library and community college employees, unless those who were eligible elected to participate in an optional retirement program. Effective July 1, 1971 Baltimore City teachers and retired teachers were included in the TRS.

Effective January 1, 1980, the TRS was effectively closed to new membership when the Teachers' Pension System (TPS) was established. Individuals who were members of the TRS on December 31, 1979, continue their TRS membership unless, and until, they elect to transfer to the TPS.

MEMBER CONTRIBUTIONS

All member contributions to the TRS are based on a specified percentage of annual earnable compensation. Members who elected in 1984 to receive unlimited future cost-of-living adjustments (COLA) contribute 7% if enrolled after June 30, 1973. Members enrolled before July 1, 1973 contribute the lesser of 7% or 2% more than the rate of contribution in effect on the date of their enrollment. This option is referred to as Selection A (Unlimited COLA).

Members who elected in 1984 to receive limited future COLA's contribute 5% if enrolled after June 30, 1973. Members enrolled before July 1, 1973 contribute the lesser of 5% or the rate of contribution in effect on the date of their enrollment. This option is referred to as Selection B (Limited COLA).

All other TRS members contribute 2%. This option is referred to as Selection C (Combination Formula), that provides a two-part benefit calculation upon retirement.

SERVICE RETIREMENT ALLOWANCES

Eligibility — TRS members are eligible for full service retirement allowances upon attaining age 60 or upon accumulating 30 years of eligibility service regardless of age.

Allowances — Full service retirement allowances equal 1/55 (1.8%) of the highest three years' average final salary (AFS) multiplied by the number of years and months of accumulated creditable service. Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to date of retirement. Service is accrued based on a full normal school year (ten months).

TRS members who have elected Selection A, B, or C continue to be eligible to transfer to the TPS. Upon transfer such members will receive a return of all, or a portion of their accumulated contributions, with interest calculated on the average rate of earnings on the cost basis of the System's assets over the five fiscal years preceding the transfer.

EARLY RETIREMENT ALLOWANCES

Eligibility — TRS members are eligible for early service retirement allowances upon accumulating at least 25 years of eligibility service prior to attaining age 60.

Allowances — Early service retirement allowances equal the amount payable for a full service retirement reduced by 0.5% for each month by which the retirement date precedes the earlier of the date on which the member reaches age 60, or the date on which the member would have completed 30 years of service. The maximum reduction for a TRS member is 30 percent. The maximum reduction for a TRS member who elected Selection C is 42% on the second part of the benefit calculation.

ORDINARY DISABILITY RETIREMENT ALLOWANCES

Eligibility — TRS members are eligible for ordinary disability retirement allowances upon completing five years of eligibility service and receiving certification from the Medical Board that they are permanently incapable of performing their necessary job functions.

Allowances — Ordinary disability retirement allowances generally equal 1/55 (1.8%) of the highest three years' AFS multiplied by the number of years of accumulated creditable service. However, the ordinary disability benefits can be no greater than 1.8% of AFS for each year of creditable service the members would have received had they continued to work until age 60.

Accidental Disability Retirement Allowances

***Eligibility* —** TRS members are eligible for accidental disability benefits if the Medical Board certifies that, in the course of job performance and as the direct result of an accidental injury, they became totally and permanently disabled.

***Allowances* —** Accidental disability allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, plus 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

Death Benefits

***Eligibility* —** To be eligible for death benefits, TRS members must have either accumulated at least one year of eligibility service prior to the date of death or died in the line of duty.

***Benefits* —** The benefit provided upon death for TRS members equals the members' annual earnable compensation at the time of death plus accumulated contributions. Under certain circumstances, surviving spouses who were named as sole primary beneficiaries may elect to receive either the aforementioned lump sum payment, or a monthly allowance calculated under Option 2 (100% survivor option).

Vested Retirement Allowances

***Eligibility* —** TRS members are eligible for vested retirement allowances after separation from service and upon reaching normal retirement age, provided that at least five years of eligibility service was accumulated prior to separation.

***Allowances* —** Vested allowances equal the normal service retirement allowances computed on the basis of the members' accumulated creditable service and AFS at the point of separation.

TRS members may elect to either withdraw their accumulated contributions, or transfer to the TPS, within five years of separation in lieu of receiving vested retirement allowances. If members do not withdraw their contributions, and die before attaining age 60, their accumulated contributions are returned to the designated beneficiary.

Cost-of-Living Adjustments

Retirement allowances are adjusted each year based on the Consumer Price Index. Cost-of-living adjustments (COLAs) are effective July 1st of each year and are applied to all allowances payable for the year. However, the method by which the annual COLAs are computed depends upon elections made by members who were active on July 1, 1984 (or within 90 days of returning to service, for members who were inactive on July 1, 1984). Each option is explained below.

***Selection A (Unlimited COLA)* —** TRS members who elected Selection A, agreed to contribute no more than 7% of earnable compensation in return for unlimited annual COLAs after retirement.

***Selection B (Limited COLA)* —** TRS members who elected Selection B, agreed to contribute no more than 5% of earnable compensation in return for COLAs that are limited to 5% annually after retirement.

***Selection C (Combination Formula)* —** TRS members who elected Selection C, agreed to contribute no more than 2% of earnable compensation in return for COLAs that, similar to the retirement benefit, are divided into two parts.

Part 1: For creditable service accumulated before electing Selection C, an allowance is calculated using the formula for determining a full service TRS retirement allowance. The COLAs are unlimited unless the member elected Selection B prior to electing Selection C, in which case COLAs are limited to 5%.

Part 2: For creditable service accumulated after electing Selection C, an allowance is calculated using the formula for determining a full service TPS pension allowance. The COLAs are limited to 3%.

Optional Forms of Payment

Option 1: Payment guarantees a cash reserve equal to the excess of the present value of the retirement allowance at the date of retirement minus the total amount of payments (less COLAs) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits are payable. The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retiree's monthly health insurance premiums.

TEACHERS' PENSION SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	52,338	50,077
Active Non-vested	34,748	32,824
Terminated Vested	16,397	15,607
Retired Members	11,931	10,527
Active Members		
Number	87,086	82,901
Average Age	42.8	42.7
Average Years of Service	10.0	10.1
Average Annual Salary	$42,704	$40,474
Retirees & Beneficiaries		
Number	11,931	10,527
Average Age	64.9	64.6
Average Monthly Benefit	$ 1,066	$ 991

THE TEACHERS' PENSION SYSTEM (TPS) was established on January 1, 1980 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Membership in the TPS was a condition of employment for all State and local teachers and certain board of education, public library and community college employees hired after December 31, 1979, (unless those who are eligible elect to participate in an optional retirement program) until July 1, 1998. As of July 1, 1998, all TPS members, except for those who transfer from the TRS after April 1, 1998, became members of the Teachers' Contributory Pension System (TCPS).

MEMBER CONTRIBUTIONS

All TPS members are required to contribute 5% of earnable compensation in excess of the social security taxable wage base. Members of the TCPS are required to contribute 2% of earnable compensation.

SERVICE PENSION ALLOWANCES

Eligibility — TPS and TCPS members are eligible for full service pension allowances upon accumulating 30 years of eligibility service regardless of age. Absent 30 years of eligibility service, members must meet one of the following conditions to be eligible for full service pension allowances:

- age 62, & five years of eligibility service
- age 63, & four years of eligibility service
- age 64, & three years of eligibility service
- age 65 or older, & two years of eligibility service

Allowances — For TPS members, full service pension allowances equal 0.8% of the highest three consecutive years' AFS up to the SSIL, plus 1.5% of AFS in excess of the SSIL, multiplied by the number of years of accumulated creditable service.

For the purpose of computing pension allowances, the SSIL is the average of the social security wage bases for the 35 years immediately prior to the year of retirement.

For TCPS members, full service pension allowances equal 1.2% of AFS for service accrued prior to July 1, 1998, (or if greater the TPS benefit noted above on service prior to July 1, 1998), plus 1.4% of AFS for service accrued on and after July 1, 1998.

Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to date of retirement. Service is accrued based on a full normal school year (ten months).

EARLY SERVICE PENSION ALLOWANCES

Eligibility — TPS and TCPS members are eligible for early service pension allowances upon attaining age 55 with at least 15 years of eligibility service.

Allowances — Early service pension allowances for both the TPS and TCPS equal the amount payable for a full service pension reduced by 0.5% for each month by which the retirement date precedes the date on which the members reach age 62. The maximum reduction is 42 percent.

ORDINARY DISABILITY PENSION ALLOWANCES

Eligibility — TPS and TCPS members are eligible for ordinary disability pension allowances upon completing five years of eligibility service and receiving certification from the Medical Board that they are permanently incapable of performing their necessary job functions.

Allowances — For TPS and TCPS members, ordinary disability pension allowances equal the full service pension allowances if the members are at least age 62 on the date of retirement. Otherwise, the allowances equal the full service pension allowances computed as though the members had continued to accrue service credits until age 62 without any change in the rate of earnable compensation.

ACCIDENTAL DISABILITY PENSION ALLOWANCES

Eligibility — TPS and TCPS members are eligible for accidental disability pension allowances if the Medical Board certifies that, in the course of their job performance and as the direct result of an accidental injury, they became totally and permanently disabled.

Allowances — For TPS and TCPS members, accidental disability pension allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, and 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

TPS members who apply for disability retirement within two years of transfer from the TRS receive disability benefits as provided under the TRS, reduced by any refunded contributions.

Death Benefits

Eligibility — To be eligible for death benefits, TPS and TCPS members must have either accumulated at least one year of eligibility service prior to the date of death or died in the line of duty.

Benefits — The benefit provided upon death of TPS or TCPS members equals the members' annual earnable compensation on the date of death plus accumulated contributions. Under certain circumstances, surviving spouses who were named as sole primary beneficiaries may elect to receive either the aforementioned lump sum payment, or a monthly allowance calculated under Option 2 (100% survivor option).

If at the time of death, the members had:

- accrued at least 25 years of eligibility service, or
- attained age 55 with at least 15 years of eligibility service, or
- attained age 62, then

the survivor's allowance is determined as if the members had been eligible to retire, and had in fact retired, 30 days prior to the date of death.

Vested Pension Allowances

Eligibility — TPS and TCPS members are eligible for vested pension allowances after separation from service and upon reaching age 62, provided that at least five years of eligibility service was accumulated prior to separation. TPS and TCPS members may be eligible for reduced vested pension allowances upon attaining age 55 with at least 15 years of eligibility service. Vested allowances are reduced by 0.5% for each month by which the allowance commencement date precedes the date on which the members attain age 62.

Allowances — For the TPS and TCPS, vested allowances equal the normal service pension allowances computed on the basis of the members' accumulated creditable service and AFS at the point of separation.

TPS members who elect to withdraw their accumulated contributions remain eligible to receive the employer-provided share of the vested benefit. If members do not withdraw their contributions, and die before attaining age 62, their accumulated contributions are returned to the designated beneficiary.

Cost-of-Living Adjustments

Retirement allowances for TPS and TCPS members are adjusted each year based on the Consumer Price Index. COLAs are effective July 1st of each year and, beginning July 1998, are compounded annually for TCPS and TPS members. The Systems limit the increase a retiree may receive to a maximum of 3%.

Optional Forms of Payment

Option 1: Payment guarantees a cash reserve equal to the excess of the present value of the pension allowance at the date of retirement minus the total amount of payments (less COLAs) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits were paid. The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retiree's monthly health insurance premiums.

EMPLOYEES' RETIREMENT SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	8,974	9,287
Active Non-vested	2,748	2,675
Terminated Vested	1,331	1,350
Retired Members	24,904	25,212
Active Members		
Number	11,722	11,962
Average Age	44.8	44.8
Average Years of Service	16.0	16.2
Average Annual Salary	$40,135	$38,280
Retirees & Beneficiaries		
Number	24,904	25,212
Average Age	72.9	72.7
Average Monthly Benefit	$ 1,107	$ 1,095

THE EMPLOYEES' RETIREMENT SYSTEM (ERS) was established on October 1, 1941 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Prior to January 1, 1980, membership in the ERS was a condition of employment for all State employees (other than those eligible for participation in another system) and employees of participating governmental units. For certain elected and appointed officials, participation in ERS was optional.

Effective January 1, 1980, the ERS was effectively closed to new membership when the Employees' Pension System (EPS) was established. Individuals who were members of the ERS on December 31, 1979, continue their ERS membership unless, and until, they elect to transfer to the EPS.

MEMBER CONTRIBUTIONS

All member contributions to the ERS are based on a specified percentage of annual earnable compensation. Members who elected in 1984 to receive unlimited future COLAs contribute 7% if enrolled after June 30, 1973. Members enrolled before July 1, 1973 contribute the lesser of 7% or 2% more than the rate of contribution in effect on their date of enrollment. This option is referred to as Selection A (Unlimited COLA).

Members who elected in 1984 to receive limited future COLAs contribute 5% if enrolled after June 30, 1973. Members enrolled before July 1, 1973 contribute the lesser of 5% or the rate of contribution in effect on the date of their enrollment. This option is referred to as Selection B (Limited COLA).

Members who are State employees as well as members whose employer elected to participate in the Employees' Contributory Pension System (ECPS) contribute 2% of earnable compensation under an option that provides a two-part benefit calculation upon retirement. This option is referred to as Selection C (Combination Formula). All other ERS members whose employer elected not to participate in the ECPS contribute 5% of the portion of annual earnable compensation in excess of the social security wage base under Selection C.

SERVICE RETIREMENT ALLOWANCES

Eligibility — ERS members are eligible for full service retirement allowances upon attaining age 60 or upon accumulating 30 years of eligibility service regardless of age.

Allowances — Full service retirement allowances equal 1/55 (1.8%) of the highest three years' AFS multiplied by the number of years and months of accumulated creditable service. Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to date of retirement.

ERS members who have elected Selection A, B or C continue to be eligible to transfer to the EPS. Upon transfer such members will receive a return of all, or a portion of their accumulated contributions, with interest calculated on the average rate of earnings on the cost basis of the System's assets over the five fiscal years preceding the transfer.

EARLY RETIREMENT ALLOWANCES

Eligibility — ERS members are eligible for early service retirement allowances upon accumulating at least 25 years of eligibility service prior to attaining age 60.

Allowances — Early service retirement allowances equal the amount payable for a full service retirement reduced by 0.5% for each month by which the retirement date precedes the earlier of the date on which the member reaches age 60, or the date on which the member would have completed 30 years of service. The maximum reduction for an ERS member is 30 percent. The maximum reduction for an ERS member who elected Selection C is 42% on the second part of the benefit calculation.

ORDINARY DISABILITY RETIREMENT ALLOWANCES

Eligibility — ERS members are eligible for ordinary disability retirement allowances upon completing five years of eligibility service and receiving certification from the Medical Board that they are permanently incapable of performing their necessary job functions.

Allowances — Ordinary disability retirement allowances generally equal 1/55 (1.8%) of the highest three years' AFS multiplied by the number of years of accumulated creditable service. However, the ordinary disability benefits can be no greater than 1.8% of AFS for each year of creditable service the members would have received had they continued to work until age 60.

Accidental Disability Retirement Allowances

***Eligibility* —** ERS members are eligible for accidental disability benefits if the Medical Board certifies that, in the course of job performance and as the direct result of an accidental injury, they became totally and permanently disabled.

***Allowances* —** Accidental disability allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, plus 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

Death Benefits

***Eligibility* —** To be eligible for death benefits, ERS members must have either accumulated at least one year of eligibility service prior to the date of death or died in the line of duty.

***Benefits* —** The benefit provided upon death for ERS members equals the members' annual earnable compensation at the time of death plus accumulated contributions. Under certain circumstances, surviving spouses who were named sole primary beneficiaries may elect to receive either the aforementioned lump sum payment, or a monthly allowance calculated under Option 2 (100% survivor option).

Vested Retirement Allowances

***Eligibility* —** ERS members are eligible for vested retirement allowances after separation from service and upon reaching normal retirement age, provided that at least five years of eligibility service was accumulated prior to separation.

***Allowances* —** Vested allowances equal the normal service retirement allowances computed on the basis of the members' accumulated creditable service and AFS at the point of separation.

ERS members may elect to either withdraw their accumulated contributions, or transfer to the EPS within two years of separation, in lieu of receiving vested retirement allowances. If members do not withdraw their contributions, and die before attaining age 60, their accumulated contributions are returned to the designated beneficiary.

Cost-of-Living Adjustments

Retirement allowances are adjusted each year based on the Consumer Price Index. COLAs are effective July 1st of each year and are applied to all allowances payable for the year. However, the method by which the annual COLAs are computed depends upon elections made by members who were active on July 1, 1984 (or within 90 days of returning to service for members who were inactive on July 1, 1984). Each option is explained below.

***Selection A (Unlimited COLA)* —** ERS members who elected Selection A, agreed to contribute no more than 7% of earnable compensation in return for unlimited annual COLAs after retirement.

***Selection B (Limited COLA)* —** ERS members who elected Selection B, agreed to contribute no more than 5% of earnable compensation in return for COLAs that are limited to 5% annually after retirement.

***Selection C (Combination Formula)* —** ERS members who elected Selection C, agreed to contribute 2% of earnable compensation (or 5% of earnable compensation in excess of the social security wage base if the employer did not elect to participate in the ECPS) in return for COLAs that, similar to the retirement benefit, are divided into two parts:

Part 1: For creditable service accumulated before electing Selection C, an allowance is calculated using the formula for determining a full service ERS retirement allowance. The COLAs are unlimited unless the members elected Selection B prior to electing Selection C, in which case COLAs are limited to 5%.

Part 2: For creditable service accumulated after electing Selection C, an allowance is calculated using the formula for determining a full service EPS pension allowance. Generally, the COLAs are limited to 3%; however, if the employers do not participate in the ECPS, the COLA's are limited to 3% of the initial allowance.

Optional Forms of Payment

Option 1: Payment guarantees a cash reserve equal to the excess of the present value of the retirement allowance at the date of retirement minus the total amount of payments (less COLA's) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances, except for employees of participating governmental units, are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits are payable. The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retiree's monthly health insurance premiums.

Miscellaneous Provisions for Members of the Maryland General Assembly

Upon attaining age 60 with at least eight years of eligibility service, members of the Maryland General Assembly are eligible for a service retirement allowance. The allowance is equal to 3% of the current salary for an active legislator multiplied by the number of years of accumulated creditable service (to a maximum of 22 years, 3 months). The maximum benefit payable is two-thirds of the current legislative salary.

Reduced benefits are payable upon attaining age 50 with at least eight years of eligibility service. Early service retirement allowances equal the amount payable for a full service retirement reduced by 0.5% for each month by which the retirement date precedes the date on which the member reaches age 60.

Legislators contribute 5% of annual earnable compensation during the first 22 years and 3 months of service, after which no employee contributions are required. If legislators are separated from service before accumulating eight years of eligibility service, they may elect to continue to contribute an amount equal to the combined member and employer contributions until the date the members would have completed eight years of eligibility service. By doing so, such legislators would be eligible for a retirement allowance equal to 24% of the current salary for an active legislator, payable at age 60 (or a reduced benefit upon attaining age 50).

Legislators who have a minimum 8 years of service and who are certified as disabled may resign their positions and receive a normal service retirement allowance. Upon the death of a legislator, the surviving spouse generally receives 50% of the amount to which the legislator would have been entitled. However, the surviving spouse of a legislator who dies in office with fewer than eight years of eligibility service will receive a lump sum death benefit equal to the sum of the legislator's annual earnable compensation at the time of death, plus accumulated contributions.

Legislators' retirement allowances are adjusted based on changes in the salaries of current members of the General Assembly.

Miscellaneous Provisions for State Correctional Officers

State correctional officers, within certain grades, become members of the Correctional Officers' Retirement System (CORS) as a condition of employment. Correctional officers are eligible for normal service retirement allowances upon accumulating 20 years of eligibility service. Members are eligible to receive vested retirement allowance payments upon attaining age 55. For administrative convenience, the CORS is accounted for as a component of the ERS.

EMPLOYEES' PENSION SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	49,121	48,584
Active Non-vested	29,463	27,440
Terminated Vested	24,845	24,396
Retired Members	18,205	16,702
Active Members		
Number	78,584	76,024
Average Age	45.4	45.0
Average Years of Service	11.0	11.0
Average Annual Salary	$36,728	$34,554
Retirees & Beneficiaries		
Number	18,205	16,702
Average Age	65.6	65.3
Average Monthly Benefit	$ 574	$ 523

THE EMPLOYEES' PENSION SYSTEM (EPS) was established on January 1, 1980 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Membership in the EPS was a condition of employment for all State employees (other than those eligible for participation in another system) until July 1, 1998, and continues to be a condition of employment for employees of participating governmental units that have not elected to participate in the Employees' Contributory Pension System (ECPS). As of July 1, 1998, EPS members who were State employees, except for those who transfer from the ERS after April 1, 1998, became members of the ECPS. As of July 1, 1999, EPS members who were employees of governmental units were eligible to participate in the ECPS retroactive to July 1, 1998, provided the participating governmental unit elected participation in the ECPS.

MEMBER CONTRIBUTIONS

All EPS members are required to contribute 5% of earnable compensation in excess of the social security wage base. Members of the ECPS are required to contribute 2% of earnable compensation.

SERVICE PENSION ALLOWANCES

Eligibility — EPS and ECPS members are eligible for full service pension allowances upon accumulating 30 years of eligibility service regardless of age. Absent 30 years of eligibility service, members must meet one of the following conditions to be eligible for full service pension allowances:

- age 62, & five years of eligibility service
- age 63, & four years of eligibility service
- age 64, & three years of eligibility service
- age 65 or older, & two years of eligibility service

Allowances — For EPS members, full service pension allowances equal 0.8% of the highest three consecutive years' AFS up to the SSIL, plus 1.5% of AFS in excess of the SSIL, multiplied by the number of years of accumulated creditable service. For the purpose of computing pension allowances, the SSIL is the average of the social security wage bases for the 35 years immediately prior to the year of retirement.

For ECPS members, full service retirement allowances equal 1.2% of AFS for service accrued prior to July 1, 1998, (or if greater, the EPS benefit noted above on service prior to July 1, 1998), plus 1.4% of AFS for service accrued on and after July 1, 1998.

Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to date of retirement.

EARLY SERVICE PENSION ALLOWANCES

Eligibility — EPS and ECPS members are eligible for early service pension allowances upon attaining age 55 with at least 15 years of eligibility service.

Allowances — Early service pension allowances for both the EPS and ECPS equal the amount payable for a full service pension reduced by 0.5% for each month by which the retirement date precedes the date on which the member reaches age 62. The maximum reduction is 42 percent.

ORDINARY DISABILITY PENSION ALLOWANCES

Eligibility — EPS and ECPS members are eligible for ordinary disability pension allowances upon completing five years of eligibility service and receiving certification from the Medical Board that they are permanently incapable of performing their necessary job functions.

Allowances — For EPS and ECPS members, ordinary disability pension allowances equal the full service pension allowances if the members are at least age 62 on the date of retirement. Otherwise, the allowances equal the full service pension allowances computed as though the members had continued to accrue service credits until age 62 without any change in the rate of earnable compensation.

ACCIDENTAL DISABILITY PENSION ALLOWANCES

Eligibility — EPS and ECPS members are eligible for accidental disability pension allowances if the Medical Board certifies that, in the course of their job performance and as the direct result of an accidental injury, they became totally and permanently disabled.

Allowances **—** For EPS and ECPS members, accidental disability pension allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, and 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

EPS and ECPS members who apply for disability retirement within two years of transfer from the ERS receive disability benefits as provided under the ERS, reduced by any refunded contributions.

Death Benefits

Eligibility **—** To be eligible for death benefits, EPS and ECPS members must have either accumulated at least one year of eligibility service prior to the date of death or died in the line of duty.

Benefits **—** The benefit provided upon death of EPS and ECPS members equals the members' annual earnable compensation on the date of death plus accumulated contributions. Under certain circumstances, surviving spouses who were named sole primary beneficiaries may elect to receive either the aforementioned lump sum payment, or a monthly allowance calculated as payment under Option 2 (100% survivor option).

If at the time of death, the members had:

- accrued at least 25 years of eligibility service, or
- attained age 55 with at least 15 years of eligibility service, or
- attained age 62, then

the survivor's allowance is determined as if the members had been eligible to retire, and had in fact retired, 30 days prior to the date of death.

Vested Pension Allowances

Eligibility **—** EPS and ECPS members are eligible for vested pension allowances after separation from service and upon reaching age 62, provided that at least five years of eligibility service was accumulated prior to separation. EPS and ECPS members may be eligible for reduced vested pension allowances upon attaining age 55 with at least 15 years of eligibility service. Vested allowances are reduced by 0.5% for each month by which the allowance commencement date precedes the date on which the members attain age 62.

Allowances **—** For the EPS and ECPS, vested allowances equal the normal service pension allowances computed on the basis of the members' accumulated creditable service and AFS at the point of separation.

EPS members who elect to withdraw their accumulated contributions, remain eligible to receive the employer-provided share of the vested benefit. If members do not withdraw their contributions, and die before attaining age 62, their accumulated contributions are returned to the designated beneficiary.

Cost-of-Living Adjustments

Retirement allowances for EPS and ECPS members are adjusted each year based on the Consumer Price Index. COLAs are effective July 1st of each year and beginning July 1998, are compounded annually for ECPS members and EPS members, who are State employees, participating governmental unit employees, and for those who transferred from the ERS after April 1, 1998. The Systems limit the increase a retiree may receive to a maximum of 3%. COLAs for all other EPS members remain limited to 3% of the initial allowance annually.

Optional Forms of Payment

Option 1: Payment guarantees a cash reserve equal to the excess of the present value of the pension allowance at the date of retirement minus the total amount of payments (less COLAs) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances, except for retirees of a participating governmental unit, are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits were paid.

The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retiree's monthly health insurance premiums.

JUDGES' RETIREMENT SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	281	281
Active Non-vested	—	—
Terminated Vested	10	13
Retired Members	311	297
Active Members		
Number	281	281
Average Age	55.4	55.5
Average Years of Service	9.5	9.7
Average Annual Salary	$113,253	$108,735
Retirees & Beneficiaries		
Number	311	297
Average Age	76.7	76.9
Average Monthly Benefit	$ 4,615	$ 4,587

THE JUDGES' RETIREMENT SYSTEM (JRS) was established on June 30, 1969 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Membership is a condition of employment for all District Court, Circuit Court, Court of Appeals and Special Court of Appeals judges. Full-time masters in chancery and masters in juvenile causes appointed prior to June 30, 1989 and Workers' Compensation Commission judges are also members of the JRS.

MEMBER CONTRIBUTIONS

All members contribute 6% of annual earnable compensation during the first 16 years of service. After accruing 16 years of credit, no member contributions are required.

SERVICE RETIREMENT ALLOWANCES

Eligibility — JRS members are eligible for full service retirement allowances upon attaining age 60 or upon retirement by order of the Court of Appeals, with at least 16 years of eligibility service. All JRS members must retire at age 70.

Allowances — Full service retirement allowances equal 2/3 (66.7%) of the current salary for an active judge holding a comparable position. If members retire with less than 16 years of eligibility service, the annual retirement allowance is prorated accordingly.

EARLY RETIREMENT ALLOWANCES

Eligibility — JRS members are not eligible for early service retirement allowances.

DISABILITY RETIREMENT ALLOWANCES

Eligibility — JRS members are eligible for disability retirement allowances upon receiving certification from the Medical Board that they are permanently incapable of performing their necessary job functions.

Allowances — The disability retirement allowances for JRS members generally equal the full service retirement allowance based on the members' actual length of service. However, for members completing at least three years of eligibility service, the disability benefit will be no less than 1/3 (33.3%) of the members' annual earnable compensation at the time of retirement.

DEATH BENEFITS

Eligibility — All JRS members, and former members, are eligible for death benefits regardless of age or length of service.

Benefits — The benefit provided upon death for JRS members, former members or retirees equals 50% of a full service retirement allowance payable to the surviving spouse.

Special provisions apply in circumstances where deceased JRS members, former members or retirees have no surviving spouses, but are survived by a minor child (under age 18). In the event that deceased JRS members or former members are not survived by spouses or minor children, then all accumulated contributions are refunded to the estate.

VESTED RETIREMENT ALLOWANCES

Eligibility — JRS members are immediately vested. Members leaving the bench before attaining age 60 are eligible to receive their service retirement allowances commencing upon attaining age 60.

Allowances — Vested allowances equal the normal service retirement allowances computed on the basis of the members' accumulated creditable service and the salaries of active judges holding comparable positions.

JRS members may elect to withdraw their accumulated contributions within six months of separation in lieu of receiving vested retirement allowances.

OPTIONAL FORMS OF PAYMENT

Generally, JRS retirement allowances are paid as a 50% joint and survivor annuity to the retirees' surviving spouse, or if there is no spouse, to any child under age 18. If the retirees have neither a living spouse nor children under 18 at retirement, retirees may select any one of the following seven payment options.

Option 1: Payment guarantees a cash reserve equal to the excess of the present value of the retirement allowance at the date of retirement minus the total amount of payments made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Pension Changes

Legislation enacted during the 2002 Legislative session establishes a lump sum benefit equal to the annual salary rate. Additional legislation enacted during the 2002 Legislative session permits retirees who have neither a surviving spouse nor children under age 18 to elect Option 1 and name multiple beneficiaries.

STATE POLICE RETIREMENT SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	1,186	1,161
Active Non-vested	403	417
Terminated Vested	27	24
Retired Members	1,598	1,518
Active Members		
Number	1,589	1,578
Average Age	35.6	35.8
Average Years of Service	11.6	12.0
Average Annual Salary	$52,323	$50,306
Retirees & Beneficiaries		
Number	1,598	1,518
Average Age	58.4	58.1
Average Monthly Benefit	$ 2,694	$ 2,641

The State Police Retirement System (SPRS) was established on July 1, 1949 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Membership is a condition of employment for all uniformed officers of the Maryland State Police. The Superintendent of the Maryland State Police may elect membership in either the SPRS or the ECPS.

Member Contributions

All SPRS members contribute 8% of annual earnable compensation during employment.

Service Retirement Allowances

Eligibility — SPRS members are eligible for full service retirement allowances upon attaining age 50 or upon accumulating 22 years of eligibility service regardless of age. Except for the Superintendent, all SPRS members must retire at age 60.

Allowances — Full service retirement allowances equal 2.55% of the highest three years' AFS up to a maximum 71.4% of AFS (28 years). Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to date of retirement.

Early Retirement Allowances

Eligibility — SPRS members are not eligible for early service retirement allowances.

Ordinary Disability Retirement Allowances

Eligibility — SPRS members are eligible for ordinary disability retirement allowances upon completing five years of eligibility service and receiving certification from the Medical Board that they are permanently incapable of performing their necessary job functions.

Allowances — Ordinary disability retirement allowances generally equal 2.55% of the highest three years' AFS multiplied by the number of years of creditable service up to a maximum of 28 years. The minimum ordinary disability retirement allowance is 35% of AFS.

Special Disability Retirement Allowances

Eligibility — SPRS members are eligible for special disability benefits if the Medical Board certifies that they became totally and permanently incapacitated for duty arising out of or in the actual performance of duty.

Allowances — Special disability allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, and 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

Ordinary Death Benefits

Eligibility — To be eligible for ordinary death benefits, SPRS members must have accumulated at least one but less than two years of eligibility service prior to the date of death.

Benefits — The ordinary death benefit equals the members' annual earnable compensation at time of death plus accumulated contributions.

Special Death Benefits

Members in Service

Eligibility — To be eligible for special death benefits, SPRS members in service must have accumulated at least two years of eligibility service prior to the date of death or died in the line of duty.

Benefits — The special benefit provided upon the death of SPRS members in service equals 50% of the members' annual earnable compensation at time of death paid as an annuity plus return of accumulated contributions. In cases where the deceased members are not survived by a spouse, the decedents' children or dependent parents, if any, will continue to receive an annuity equal to 50% of the members' annual earnable compensation until the youngest child reaches age 18, or for the life of each dependent parent.

Retired Members

Eligibility — To be eligible for special death benefits, SPRS retirees must have retired on either a service retirement allowance or a disability allowance.

Benefits — The special benefit provided upon the death of an SPRS retiree equals 50% of the retirees' retirement allowance, paid as an annuity. In cases where the deceased members are not survived by a spouse, the decedents' children, if any, will continue to receive 50% of the retirees' allowance until the youngest child reaches age 18.

In addition to the special death benefits explained above, the survivors of both deceased members in service and deceased retirees may be eligible for certain additional benefits based upon Title II of the federal Social Security Act.

Vested Retirement Allowances

Eligibility — SPRS members are eligible for vested retirement allowances after separation from service and upon reaching age 50, provided that at least five years of eligibility service was accumulated prior to separation.

Allowances — Vested allowances equal the normal service retirement allowances computed on the basis of the members' accumulated creditable service and AFS at the point of separation.

SPRS members may elect to withdraw their accumulated contributions within two years of separation in lieu of receiving vested retirement allowances. If members do not withdraw their contributions, and die before attaining age 50, their accumulated contributions are returned to the designated beneficiary.

Cost-of-Living Adjustments

Retirement allowances are adjusted each year based on the Consumer Price Index. COLAs are effective July 1st of each year and are applied to all allowances payable for the year.

Optional Forms of Payment

Generally, SPRS retirement allowances are paid as a 50% joint and survivor annuity to the retirees' spouse, or if there is no spouse, to any child under age 18. If the retirees have neither a living spouse nor children under 18 at retirement, the retirees may select any one of the following seven payment options.

Option 1: Payment guarantees a cash reserve equal to the present value of the retirement allowance at the date of retirement minus the total amount of payments (less COLAs) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits are payable. The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retiree's monthly health insurance premiums.

Deferred Retirement Option Program

SPRS members are eligible to participate in a Deferred Retirement Option Program (DROP). To participate, the SRPS member must have at least 22 years of creditable service, but less than 28 years, and be under age 60. The maximum period of participation is 4 years. During the DROP period, the SPRS member is deemed retired and the retirement allowance is placed in an account earning 6% interest. At the end of the DROP period, the lump sum held in the DROP account is paid to the SPRS retiree. The SPRS member must end employment and fully retire at the end of the DROP period.

Pension Changes

Legislation enacted during the 2002 Legislative session increased the special death benefit for troopers killed in the line of duty to 2/3 (66.7%) of AFS.

LAW ENFORCEMENT OFFICERS' PENSION SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	966	980
Active Non-vested	444	338
Terminated Vested	66	49
Retired Members	403	309
Active Members		
Number	1,410	1,318
Average Age	39.7	39.7
Average Years of Service	11.5	12.6
Average Annual Salary	$46,749	$45,856
Retirees & Beneficiaries		
Number	403	309
Average Age	57.3	56.8
Average Monthly Benefit	$ 2,002	$ 1,899

The Law Enforcement Officers' Pension System (LEOPS) was established on July 2, 1990 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Membership in the LEOPS is a condition of employment for all uniformed law enforcement officers of the Maryland State Department of Natural Resources; the Maryland Investigative Services Unit; the Maryland Transportation Authority Police Force; the Baltimore City Sheriff's Department; the State Fire Marshall's Office; the University System of Maryland Police Force; Morgan University Police Force; the BWI Airport Fire and Rescue Department; the Department of General Services Police Force; the Department of Health and Hygiene; the Motor Vehicle Administration; and the Department of Labor, Licensing, and Regulation. In addition, membership includes law enforcement officers employed by a governmental unit that elects to participate in the LEOPS.

The LEOPS consists of two separate components — a retirement plan and a pension plan. Retirement plan provisions are applicable to those officers who, on the date they elected to participate in the LEOPS, were members of ERS. Pension plan provisions are applicable to all other LEOPS members.

Member Contributions

All member contributions to the LEOPS are based on the members' annual earnable compensation. Members subject to retirement plan provisions that elected to receive unlimited future COLAs contribute 7% if enrolled in the ERS after June 30, 1973. Those members enrolled in the ERS before July 1, 1973 contribute the lesser of 7% or 2% more than the rate of contribution in effect on the date of enrollment. This option is referred to as Selection A (Unlimited COLA).

Members subject to retirement plan provisions that elected to receive limited future COLAs contribute 5% if enrolled in the ERS after June 30, 1973. Those members enrolled in the ERS before July 1, 1973 contribute the lesser of 5% or the rate of contribution in effect on the date of enrollment. This option is referred to as Selection B (Limited COLA).

Members subject to pension plan provisions contribute 4% of annual earnable compensation during employment.

Service Retirement Allowances

Eligibility — LEOPS members are eligible for full service retirement allowances upon attaining age 50 or upon accumulating 25 years of eligibility service regardless of age.

Allowances — For members subject to the retirement plan provisions, full service retirement allowances equal 2.0% of AFS for the first 30 years of creditable service, plus 1.0% of AFS for each additional year.

For members subject to the modified pension system provisions, full service pension allowances equal 2.0% of AFS up to a maximum benefit of 60% of AFS (30 years of credit). For members subject to the non-modified pension system provisions, full service pension allowances equal 2.3% of AFS for the first 30 years of creditable service, plus 1.0% of AFS for each additional year.

Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to the date of retirement.

Early Retirement Allowances

Eligibility — LEOPS members are not eligible for early service retirement allowances.

Ordinary Disability Retirement Allowances

Eligibility — LEOPS members are eligible for ordinary disability retirement allowances upon completing five years of eligibility service and receiving Medical Board certification as to their permanent incapacity to perform their necessary job functions.

Allowances — Ordinary disability retirement allowances for LEOPS members subject to retirement plan provisions equal the greater of the normal service retirement allowance or 25% of AFS.

Ordinary disability retirement allowances for LEOPS members subject to pension plan provisions equal the full service pension allowance if the member is at least age 50 on the date of retirement. Otherwise, the allowances equal full service pension allowances computed as though the member had continued to work until age 50 without any change in the rate of earnable compensation.

Accidental Disability Retirement Allowances

Eligibility — LEOPS members are eligible for accidental disability benefits if the Medical Board certifies that they became totally and permanently incapacitated for duty arising out of or in the actual performance of duty.

Allowances — Accidental disability allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, and 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

Ordinary Death Benefits

Eligibility — To be eligible for ordinary death benefits, LEOPS members must have accumulated at least one but less than two years of eligibility service prior to the date of death.

Benefits — The ordinary death benefit equals the members' annual earnable compensation at the time of death plus accumulated contributions.

Special Death Benefits

Members in Service

Eligibility — To be eligible for special death benefits, LEOPS members in service must have accumulated at least two years of eligibility service prior to the date of death or died in the line of duty.

Benefits — The special death benefit provided upon death for LEOPS members in service equals 50% of the applicable ordinary disability allowance. In cases where the deceased members are not survived by a spouse, the decedents' children or dependent parents, if any, will continue to receive the special death benefit until the youngest child reaches age 18, or for the life of each dependent parent.

Retired Members

Eligibility — To be eligible for special death benefits, LEOPS retirees must have retired on either a service retirement allowance or a disability allowance.

Benefits — The special death benefit provided upon death for LEOPS retirees equals 50% of the retirees' retirement allowance, paid as an annuity. In cases where the deceased members are not survived by a spouse, the decedents' children, if any, will continue to receive 50% of the retirees' allowance until the youngest child reaches age 18.

Vested Pension Allowances

Eligibility — LEOPS members are eligible for vested pension allowances after separation from service and upon attaining age 50, provided that they accumulated at least five years of eligibility service prior to separation.

Allowances — Vested allowances equal the normal service retirement or pension allowances computed on the basis of the members' accumulated creditable service and AFS at the date of separation.

Cost-of-Living Adjustments

Retirement allowances are adjusted each year based on the Consumer Price Index. COLAs are effective July 1st of each year and are applied to all allowances payable for the year. For LEOPS members subject to retirement plan provisions, annual COLAs are determined under the various methods applicable to ERS members. Each method is explained below:

Selection A (Unlimited COLA) — LEOPS members who elected Selection A (while enrolled in the ERS), agreed to contribute 7% of earnable compensation in return for unlimited annual COLAs after retirement.

Selection B (Limited COLA) — LEOPS members who elected Selection B (while enrolled in the ERS), agreed to contribute no more than 5% of earnable compensation in return for COLAs which are limited to 5% annually after retirement.

For all other LEOPS members, annual COLA's are limited to 3% of the annual allowance.

Optional Forms of Payment

Generally, LEOPS retirement allowances are paid as a 50% joint and survivor annuity to the retirees' spouse, or if there is no spouse, to any child under age 18. If the retirees have neither a living spouse nor children under 18 at retirement, the retirees may select any one of the following seven payment options.

Option 1: Payment guarantees a cash reserve equal to the excess of the present value of the retirement allowance at the date of retirement minus the total amount of payments (less COLAs) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits are payable. The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retirees' monthly health insurance premiums.

Deferred Retirement Option Program

LEOPS members are eligible to participate in a Deferred Retirement Option Program (DROP). To participate, the LEOPS member must have at least 25 years of creditable service, but less than 30 years. The maximum period of participation is 5 years. During the DROP period, the LEOPS member is deemed retired and the retirement allowance is placed in an account earning 6% interest. At the end of the DROP period, the lump sum held in the DROP account is paid to the LEOPS retiree. The LEOPS member must end employment and fully retire at the end of the DROP period.

Pension Changes

Legislation enacted during the 2002 legislative session permits law enforcement employees of the Department of Education to participate in LEOPS. The special death benefit for officers killed in the line of duty is increased to 2/3 (66.7%) of AFS.

LOCAL FIRE AND POLICE SYSTEM

A Composite Picture

	2002	2001
Total Membership		
Active Vested	123	91
Active Non-vested	58	49
Terminated Vested	36	30
Retired Members	26	21
Active Members		
Number	181	140
Average Age	36.9	35.1
Average Years of Service	12.2	10.3
Average Annual Salary	$39,715	$40,007
Retirees & Beneficiaries		
Number	26	21
Average Age	50.6	49.5
Average Monthly Benefit	$ 1,612	$ 1,681

THE LOCAL FIRE AND POLICE SYSTEM (LFPS) was established on July 1, 1989 and is administered in accordance with the State Personnel and Pensions Article of the Annotated Code of Maryland. Membership in the LFPS is open to all law enforcement officers and fire fighters employed by participating governmental units on the date participation begins. Membership is mandatory for all officers and fire fighters hired after a unit's date of election to participate.

The LFPS consists of two separate components — a retirement plan and a pension plan. Retirement plan provisions are applicable to those officers and fire fighters that, on the date they elected to participate in the LFPS, were members of ERS. Pension plan provisions are applicable to all other LFPS members.

MEMBER CONTRIBUTIONS

Members subject to retirement plan provisions contribute 7% of annual earnable compensation. Members subject to pension plan provisions contribute 5% of earnable compensation in excess of the social security wage base.

SERVICE RETIREMENT ALLOWANCES

Eligibility — All LFPS members are eligible for full service retirement or pension allowances upon accumulating 25 years of eligibility service, regardless of age. Also, regardless of the length of service, LFPS retirement plan members are eligible for full service retirement allowances upon attaining age 60; and LFPS pension plan members are eligible for full service pension allowances upon attaining age 62.

Allowances — For members subject to retirement plan provisions, full service retirement allowances equal 1/50 (2.0%) of AFS for the first 30 years of creditable service, plus 1/100 (1.0%) of AFS for each additional year.

For members subject to pension plan provisions, full service pension allowances equal 1.0% of AFS up to the SSIL, plus 1.5% of AFS in excess of the SSIL, multiplied by the number of years of accumulated creditable service. Additionally, LFPS pension plan members whose employers do not contribute to social security receive the difference between the aforementioned pension allowance and 1.5% of their entire AFS as a supplemental pension allowance.

Allowances for members who fail to make all required contributions are reduced by the actuarial equivalent of the total unpaid contributions plus interest to the date of retirement.

EARLY RETIREMENT ALLOWANCES

Eligibility — LFPS members are not eligible for early service retirement allowances.

ORDINARY DISABILITY RETIREMENT ALLOWANCES

Eligibility — LFPS members are eligible for ordinary disability retirement allowances upon completing five years of eligibility service with Medical Board certification as to their permanent incapacity to perform their necessary job functions.

Allowances — Ordinary disability retirement allowances for LFPS members subject to retirement plan provisions equal the greater of the normal service retirement allowance or 25% of AFS.

Ordinary disability retirement allowances for LFPS members subject to pension plan provisions equal the full service pension allowance if the member is at least age 62 on the date of retirement. Otherwise, the allowances equal full service pension allowances computed as though the member had continued to work until age 62 without any change in the rate of earnable compensation.

ACCIDENTAL DISABILITY RETIREMENT ALLOWANCES

Eligibility — LFPS members are eligible for accidental disability benefits if the Medical Board certifies that, in the course of job performance and as the direct result of an accidental injury, they became totally and permanently disabled.

Allowances — Accidental disability allowances equal the sum of an annuity determined as the actuarial value of the members' accumulated contributions, and 2/3 (66.7%) of AFS. Allowances may not exceed the members' AFS.

Ordinary Death Benefits

Eligibility — To be eligible for death benefits, LFPS members must have accumulated at least one year of eligibility service prior to the date of death or died in the line of duty.

Benefits — The benefit provided upon death for LFPS members equals the members' annual earnable compensation at the time of death plus accumulated contributions. Under certain circumstances, surviving spouses who were named sole primary beneficiaries may elect to receive either the aforementioned lump sum payment or a monthly allowance calculated under Option 2 (100% survivor option).

Vested Pension Allowances

Eligibility — LFPS members are eligible for vested pension allowances after separation from service and upon attaining age 62, provided that they accumulated at least five years of eligibility service prior to separation. LFPS members subject to pension plan provisions may be eligible for reduced vested pension allowances upon attaining age 55 with at least 15 years of eligibility service. Vested allowances are reduced by 0.5% for each month by which the allowance commencement date precedes the date on which the members attain age 62.

Allowances — Vested allowances equal the normal service retirement or pension allowances computed on the basis of the members' accumulated creditable service and AFS at the date of separation.

LFPS retirement plan members may elect to withdraw their accumulated contributions within two years of separation in lieu of receiving the accrued vested retirement allowances. If members do not withdraw their contributions, and die before attaining age 60, their accumulated contributions are returned to the designated beneficiary.

LFPS pension plan members, who elect to withdraw their accumulated contributions, if any, remain eligible to receive the employer-provided vested benefit.

Cost-of-Living Adjustments

Retirement and pension allowances are adjusted each year based on the Consumer Price Index. COLA's are effective July 1st of each year and are applied to all allowances payable for the year. For all LFPS members who are not former members of the ERS, annual COLAs are limited to 3% of the initial allowance annually.

Optional Forms of Payment

Option 1: Payment guarantees a cash reserve equal to the present value of the retirement allowance at the date of retirement minus the total amount of payments (less COLAs) made to the date of death.

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Payment guarantees a minimum return of the members' accumulated contributions.

Option 5: 100% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 6: 50% joint and survivor annuity with adjustment to maximum benefit if beneficiary predeceases retiree.

Option 7: Any benefit (monthly allowance) which is actuarially equivalent to the retirement allowance and is approved by the Board of Trustees.

Workers' Compensation Benefits Reduction

Disability retirement allowances are generally reduced by workers' compensation benefits paid after retirement if, and to the extent that, such benefits are for the same injury and the same period of time for which the retirement benefits are payable. The workers' compensation benefit reduction cannot reduce any retirement allowance to less than the amount necessary to cover the retiree's monthly health insurance premiums.