

# New York STRS

Comprehensive Annual Financial Report  
Fiscal Year Ended June 30, 2001

## FEATURES:

Introduction  
Financial  
Investments  
Actuarial  
Statistical

## PLUS:

*A Year of  
Monumental  
Benefit  
Improvements*

## Dedicated

*to the victims,  
their families  
and all those  
touched by the  
tragic events of  
Sept. 11, 2001.*

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses, income, and any other financial activities. The text explains that proper record-keeping is essential for identifying trends, managing cash flow, and preparing for tax obligations.

Next, the document addresses the need for regular reconciliation. It states that comparing the company's internal records with bank statements and other external sources is crucial for catching errors and discrepancies early on. This process helps in maintaining the accuracy of the books and prevents small mistakes from becoming larger problems. The text also highlights the importance of reviewing these records frequently, ideally on a monthly basis, to stay on top of the financial situation.

The following section focuses on budgeting and financial planning. It discusses how a well-defined budget can help in controlling costs and maximizing profits. The text provides guidance on how to set realistic financial goals and allocate resources effectively. It also touches upon the importance of monitoring the budget regularly to ensure that the company is staying on track and making necessary adjustments when needed.

In the final part of the document, the author discusses the role of professional advice. It is noted that while many business owners can handle their own finances, consulting with an accountant or financial advisor can provide valuable insights and ensure compliance with complex tax laws and regulations. The text encourages business owners to seek professional help when they are unsure or when their financial needs become more intricate.

NEW YORK STATE  
TEACHERS' RETIREMENT SYSTEM

10 Corporate Woods Drive  
Albany, NY 12211-2395

[www.nystrs.org](http://www.nystrs.org)

*Our mission:*

*to provide the membership  
with timely service and  
accurate benefit payments;  
to assure the funding of  
these benefits by utilizing  
proper actuarial techniques  
and maximizing investment  
returns.*

*Comprehensive  
Annual  
Financial  
Report*

*Fiscal  
Year  
Ended  
June 30, 2001*

*Prepared by NYSTRS Staff  
George M. Philip  
Executive Director*

# NYSTRS

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## Certificate of Achievement for Excellence in Financial Reporting

Presented to

### New York State Teachers' Retirement System

For its Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2000

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.

*Imelda Chew*  
President

*Jeffrey L. Essler*  
Executive Director

## Achievement Award

## Certificate of Achievement



### Public Pension Coordinating Council Public Pension Principles 2000 Achievement Award

Presented to

#### New York State Teachers' Retirement System

In recognition of instituting professional standards for public employee retirement systems as established by the Public Pension Principles.

*Presented by the Public Pension Coordinating Council, a confederation of*  
Government Finance Officers Association (GFOA)  
National Association of State Retirement Administrators (NASRA)  
National Conference on Public Employee Retirement Systems (NCPERS)  
National Council on Teacher Retirement (NCTR)

*Michael L. Mory*  
Michael L. Mory  
Chairman

The year 2001

*marked the 80th  
anniversary of  
STRS providing  
a guaranteed  
retirement benefit  
to New York State  
educators.*



# INTRODUCTION NYSTRS



# NYSTRS INTRODUCTION

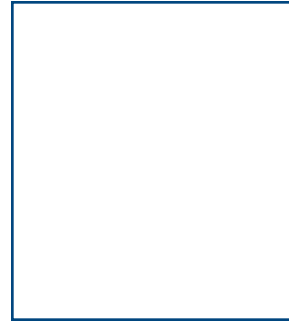
## Board of Trustees



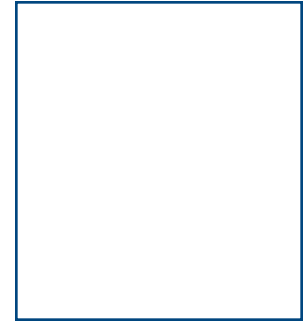
*Martin*



*Lindstrom*



*Corn*



*Davenport*

**Lucy P. Martin**  
*President*  
 Administrator  
 Appointed by  
 Commissioner of Education  
 First Appointed 1984  
 Manlius

**Richard F. Lindstrom**  
*Vice President*  
 Bank Executive  
 Elected by Board of Regents  
 First Elected 1985  
 Bonita Springs, FL

**Michael R. Corn**  
 Teacher Member  
 Elected by Delegates  
 First Elected 1992  
 Barneveld

**Josephine Davenport**  
 Retired Teacher Member  
 Elected by  
 STRS Retired Members  
 First Elected 1996  
 Hamburg

**Wanda G. Henton**  
 State Comptroller's  
 Representative  
 Appointed 1999  
 New York City

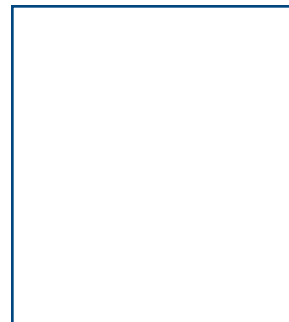
**R. Michael Kraus**  
 Insurance Executive  
 Elected by Board of Regents  
 First Elected 1992  
 East Aurora

**Joseph P. McLaughlin**  
 Teacher Member  
 Elected by Delegates  
 First Elected 1990  
 Harrison

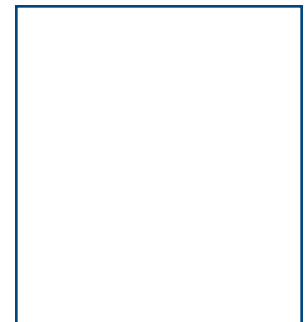
**Sheila J. Salenger**  
 Teacher Member  
 Elected by Delegates  
 First Elected 1989  
 Ballston Lake

**Frederick D. Volp**  
 Administrator  
 Appointed by  
 Commissioner of Education  
 First Appointed 1994  
 Cold Spring Harbor

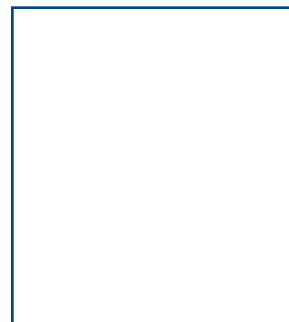
**Iris Wolfson**  
 Public Accountant  
 Elected by Board of Regents  
 First Elected 1992  
 Westbury



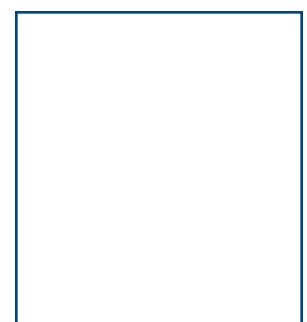
*Henton*



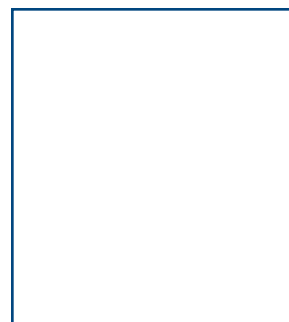
*Kraus*



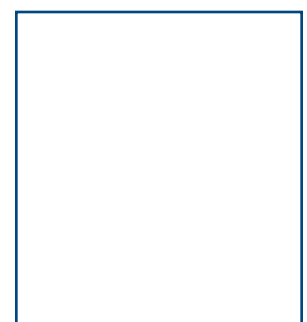
*McLaughlin*



*Salenger*



*Volp*

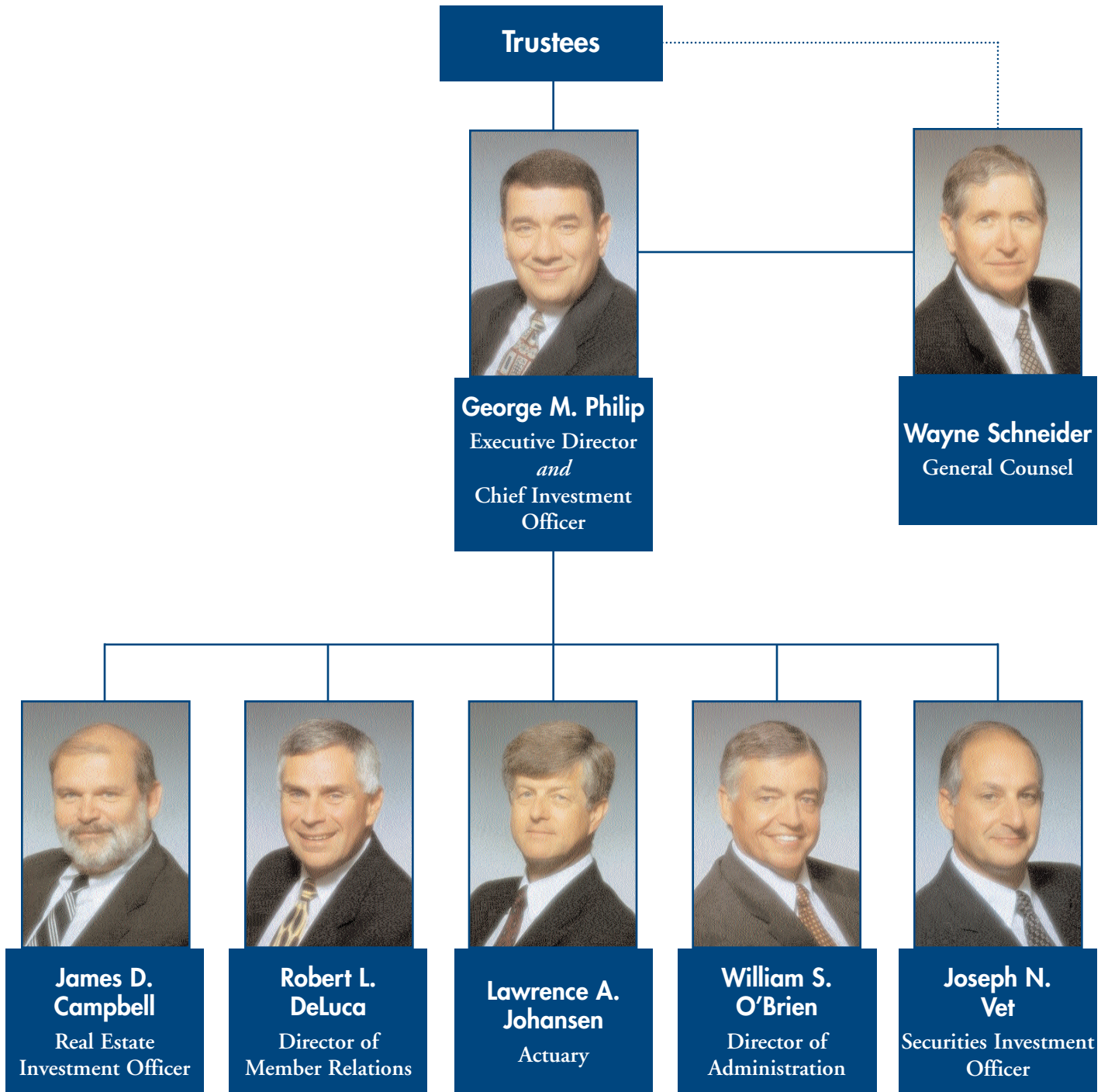


*Wolfson*



# INTRODUCTION NYSTRS

## Executive Staff and Organizational Structure



See pages 52-53 of this report for a list of investment professionals who provide services to NYSTRS.

# NYSTRS INTRODUCTION

## Letter of Transmittal



New York State Teachers' Retirement System  
10 Corporate Woods Drive  
Albany, New York 12211-2395  
(800) 356-3128 or 447-2666 (Albany-area calls)  
Web Site: [www.nystrs.org](http://www.nystrs.org)

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George M. Philip, Executive Director

### TRUSTEES

Lucy P. Martin <i>President</i>	Manlius
Richard F. Lindstrom <i>Vice President</i>	Bonita Springs, FL
Michael R. Corn	Barneveld
Josephine Davenport	Hamburg
Wanda G. Henton	New York City
R. Michael Kraus	East Aurora
Joseph P. McLaughlin	Harrison
Sheila J. Salenger	Ballston Lake
Frederick D. Volp	Cold Spring Harbor
Iris Wolfson	Westbury

August 10, 2001

Trustees of the State Teachers' Retirement Board:

It is my pleasure to present you with the Comprehensive Annual Financial Report of the New York State Teachers' Retirement System (STRS) for the fiscal year ended June 30, 2001. This report complies with all legal requirements governing the preparation and contents of annual reports.

The report is divided into five sections:

- **Introduction.** Familiarizes readers with the Board of Trustees and Executive Staff. It also includes the President's Message, a summary of benefits and this Letter of Transmittal.
- **Financial.** Contains the report of independent auditors KPMG LLP, as well as general-purpose financial statements and accompanying footnotes.
- **Investment.** Presents the chief investment officer's overview, and information about investment policies, holdings and performance. Investment and real estate managers, consultants and advisory committee members are also listed.
- **Actuarial.** In addition to an actuarial certification letter, this section includes a summary of actuarial methods and assumptions; the actuary's valuation balance sheet; information on funding progress, and the employer contribution rate.
- **Statistical.** Consists of membership, service, salary and benefit data. It also contains a list of all participating STRS employers.

# INTRODUCTION NYSTRS

## Letter of Transmittal (continued)

### *History and Overview*

STRS was created in 1921 by an act of the State Legislature. The System administers the fund from which most New York State public school teachers and administrators receive retirement and ancillary benefits. (Educators employed by New York City schools are, by law, covered by the New York City Teachers' Retirement System.) A summary of STRS benefits is provided on pages 15-19 of this report.

The System is governed by a 10-member Board of Trustees, which sets policy and oversees operations consistent with applicable laws. More than 300 full-time employees are responsible for day-to-day administration and operation of STRS.

Total membership at fiscal year-end was 340,473, consisting of 234,350 active members and 106,123 retired members and/or beneficiaries who receive monthly benefit payments. We serve more than 800 employers, including public school districts, charter schools and institutions of higher learning.

### *Awards*

STRS is the proud recipient of several awards. Among the honors received during this fiscal year alone were:

*A Certificate of Achievement for Excellence in Financial Reporting*, awarded by the Government Finance Officers Association of the United States and Canada (GFOA). This prestigious national award recognizes the System's 2000 Comprehensive Annual Financial Report for its conformance with the highest standards for preparation of state and local government financial reports.

*Public Pension Principles Achievement Award*, presented biennially by the Public Pension Coordinating Council. The award is based on compliance with 18 specific principles that underlie retirement system achievements in the areas of benefits, actuarial valuations, financial reporting, investments and disclosure to members. Systems that adhere to these standards lead the way in their service to system members, public officials and citizens.

*The Distinguished Budget Presentation Award* for the fiscal year July 1, 2000 through June 30, 2001, also awarded by GFOA. In order to receive this award, a governmental unit must publish a budget document that meets established criteria as a policy document, operations guide, financial plan and communications device.

### *Major Initiatives and Accomplishments*

The history making benefit improvement legislation that was enacted in the second half of 2000 meant a great deal of work for STRS staff. As usual, they rose to the occasion, ensuring that thousands of active and retired System members received what was promised them under the law. The expediency staff displayed in implementing these improvements was commendable.

# NYSTRS INTRODUCTION

## Letter of Transmittal (continued)

In September 2000, during Phase I implementation of *Cost-of-Living Adjustment (COLA)* legislation, 70,350 STRS retirees received increased benefit payments. Under the law's "catch-up" clause, those who retired prior to 1997 and met defined eligibility requirements received a new (and greater) monthly benefit. In all, beginning with the September payment, STRS was paying its retirees an additional \$15.1 million per month.

The number of retirees eligible for a catch-up payment continued to grow throughout the fiscal year as retirees who did not immediately meet the eligibility requirements "grew into" the catch-up payment. Ultimately, more than 83,500 STRS members will receive an increased benefit due to this provision.

Meanwhile, staff prepared for Phase II of COLA implementation, due to occur in September 2001. At that time, eligible retired members are scheduled to receive a 1.5% increase in their benefit payments. Members receiving an annual retirement benefit from the System of \$18,000 or more will receive the maximum increase of \$22.50 per month.

Laws affecting active members kept us busy, too, particularly *Benefit Enhancement* legislation (Article 19 of the Retirement and Social Security Law), which crosses all membership tiers. Under the law, Tier 3 and 4 members can now stop making 3% required contributions to the Retirement System once they have been a member for 10 years or have 10 years of service credit, whichever occurs first. Thousands of members who already achieved this milestone stopped contributing before the end of 2000 and more become eligible to do so every year.

Also under the law, eligible Tier 1 and 2 members receive one month of additional credit for each year of service (up to a maximum of two years) upon retirement. This provision, combined with a separate state *Retirement Incentive* also adopted by many school districts, added up to STRS processing a record number of retirement applications—almost 8,000—in fiscal year 2000-01.

Other benefit improvement laws expanded allowable prior service credit, improved the in-service death benefit for members of Tiers 2 through 4, decreased the Tier 4 early retirement age reductions and made purchasing military service credit more affordable. Regarding the latter, STRS processed approximately 2,600 claims for military service as a result of Chapter 548 of the Laws of 2000, which amended the military law passed in 1998. Active members and those who retired on or after the date of the original law (December 21, 1998) are eligible to purchase this credit.

Even with all the new laws, staff found the time and used their talents to implement a number of "non-legislated" member service improvements. These included additions to the comprehensive *Benefit Profile*, mailed annually to STRS members, providing even more personal information than the well-received *Profile* of the previous year. The biggest change was to the projections page, where those closest to retirement (age 51 or older) received projections of all retirement options available to them. This document remains the most important tool for self-auditing and retirement planning.

# INTRODUCTION NYSTRS

## Letter of Transmittal (continued)

Soon, members will have on-line access to all the same information available to them in their *Profile*, providing them the opportunity to review the data and benefit projections at any time. During the recently completed fiscal year, the System took a large leap toward providing members with this interactive feature. Active and retired STRS members will soon be able to request a Personal Identification Number (PIN) from the System so they will be able to securely access this information via the World Wide Web.

The conversion of all member records to digital format continued this year and the image system now contains over 2 million member related documents, consisting of more than 17 million images. Many of the Member Relations work processes have been workflow enabled, with the remainder expected to be implemented within the next year. This image environment provides STRS staff instant access to the daily mail and provides for shorter processing times of requests received from the members and employers we serve.

More than 20,000 new memberships—a record high—were established during the fiscal year, an 11% increase over the previous year. As expected, there is a direct correlation between retirements and new memberships. As the number of retirements continues to rise, so too does the number of new members.

On another note, we gave the System logo a new look, replacing the outline of the state and the lamp of learning (often referred to by outsiders as a teapot or genie lamp) with a more modern, block-letter look. The bold "NY" and the letters "STRS" that overlap them make our materials something instantly recognizable as relating specifically to this System.

### *Financial Information*

System management is responsible for the accuracy of information provided in the financial statements, as well as for the maintenance of appropriate internal controls that ensure assets are safeguarded and the organization is operated efficiently. Financial information and internal controls are subject to audit by the New York State Insurance Department, the Office of the State Comptroller and the Retirement System's Internal Audit Department. In addition, financial statements are audited by KPMG LLP, an independent certified public accountant, whose unqualified opinion appears on page 22 of this report.

Each year the Retirement Board adopts an administrative budget. Last year, the System's first five-year capital asset plan was launched. The goal of the plan is to minimize unplanned budget impacts, while enhancing planning and budgeting activities by projecting future needs for capital asset acquisitions.

Major revenue sources are investment income, and employer and member contributions. Typically, the largest influence on investment income is the appreciation or depreciation in the market value of investments, especially our holdings in the U.S. stock market. We experienced a decrease of \$7.6 billion in net assets during the recently completed fiscal year. Detailed information listing "Revenues by Source" can be found on page 74.

# NYSTRS INTRODUCTION

## Letter of Transmittal (continued)

Major expenses result from payment of retirement benefits, death benefits and refunds of contributions to certain active and former members. The increase in retirement benefit payments from 2000 to 2001 is attributable to a net increase of almost 5,300 retirees and beneficiaries. See the schedule of "Expenses by Type" on page 74 for more information.

### *Funding*

Contribution rates, expressed as a uniform percentage of member payroll, are set at the level necessary to fund the retirement and ancillary benefits of members, ensuring that sufficient assets are on hand to pay benefits as they become due. The contribution rate to be paid by employers during the 2002-03 school year is set at 0.36% of member payroll, the lowest rate in STRS history. That rate will be applied to the 2001-02 STRS member payroll.

As of June 30, 2000, the date of the most recent annual valuation prepared by our actuary, the plan's funded ratio was 124.1%. Details of our funding progress may be obtained by turning to page 59.

### *Investments*

The prime objective of the Retirement System is to consistently deliver promised benefits to all members and their beneficiaries, with the highest possible levels of security and at the lowest possible cost to participating employers. Accordingly, our portfolio is diversified prudently across the most attractive asset classes in order to achieve the best possible long-term total returns consistent with appropriate levels of risk.

As a result of this commitment to fiscal prudence, the plan's funded ratio remains well over 100% despite a disappointing decline in the total value of our equity portfolio over the last year. For the year ended June 30, 2001, the Retirement System's total portfolio returned -5.7%. However, thanks in large part to the tremendous returns experienced in the 1990s, the corresponding annualized total rate of return over the last 10 years was +12.2%. Consequently, we are well positioned to meet the needs of our membership for years to come.

Above all, this demonstrates the value of our commitment to diversification, both across varied asset classes and within each asset class. The fact that our funding ratio remains strong is an affirmation that our risk control through diversification is effective.

As part of the continual monitoring of our asset allocation program, at the July 26, 2001 Retirement System Board Meeting, small changes were made to the asset allocation targets and ranges. The 1% allocation to emerging markets equity was eliminated and the international equity allocation was increased from 9% to 10%, with a range of 5%-15%.



# INTRODUCTION NYSTRS

## Letter of Transmittal (continued)

In order to achieve our target of 3% in alternative investments during the year ended June 30, 2001, the Board selected 10 new private equity partnerships, committing \$1.5 billion.

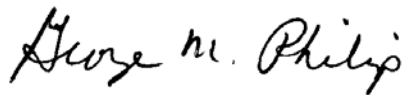
Refer to pages 36-53 for further information on STRS investments.

### *Acknowledgements*

This report was prepared by New York State Teachers' Retirement System staff. It is intended to provide complete and reliable information for making management decisions, determining compliance with legal provisions and determining responsible stewardship of System assets.

Allow me to express my sincere gratitude to STRS staff and the Board of Trustees for their ardent and ongoing efforts to serve our continually growing membership. I also must praise the members of the Medical Board, and the Investment Advisory and Real Estate Advisory committees for their vital contributions to STRS members and this organization.

Respectfully submitted,



George M. Philip  
Executive Director



# NYSTRS INTRODUCTION

## President's Message

While the economic climate was mixed this fiscal year, the skies were sunny for both our active and retired members, who profited from history-making benefit improvements.

Retirement System staff, ably guided by Executive Director George Philip, did a remarkable job of implementing the many changes brought about by new benefit-related legislation. Adopted by the State Legislature and signed into law by Governor George Pataki during the 2000 legislative session, these bills improved current and future benefits for both active and retired STRS members.

While the automatic Cost-of-Living Adjustment (COLA) for all state retirees received the most widespread attention, active members also benefited from many new laws, including those allowing eligible members to:

- Return to their earliest date of membership;
- Receive up to two additional years of service credit (Tiers 1 and 2) or suspend mandatory 3% salary contributions after 10 years (Tiers 3 and 4);
- Be covered by the most advantageous in-service death benefit, regardless of which they selected when they entered state service; and,
- Claim prior and military service credit that previously was not allowable.

Implementing the many operational changes necessitated by the new laws appeared daunting, considering their sheer scope and volume. Yet STRS management and staff attacked the tasks swiftly and competently, ensuring that members would receive the improvements promised them in a timely fashion.

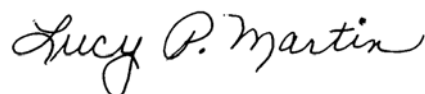
It deserves noting that even though the stock market experienced a significant decline during the fiscal year, all of these benefit improvements were implemented without the need to increase the employer contribution rate. This can be attributed to both our diverse portfolio and our long-term investment strategy. Because the System's portfolio is so varied, a negative performance by one asset class is cushioned by the performances of the other asset classes.

The System's long-term total fund performance has been 11.2% over five years and 12.2% over 10 years.

These numbers indicate our asset allocation policy is paying dividends. Last year's benefit improvements, for example, were made possible in large part because of our strong long-term performance. School districts have also benefited through low contribution rates; at its July 2001 meeting, the Board of Trustees approved a record-low employer contribution rate of 0.36% for the 2002-03 school year.

The fund's success is the result of a highly knowledgeable, committed and effective STRS management team. Likewise, my fellow Retirement Board trustees display the vision and leadership necessary to keep STRS one of the most highly rated in the country.

Ensuring a secure financial future for our membership is our obligation. I'm proud of the job this organization has done to fulfill this role and I'm certain that we will continue to succeed in the months and years ahead.



Lucy P. Martin  
President

# INTRODUCTION NYSTRS

## Summary of Benefits

### *Types of Benefits*

NYSTRS provides service, vested and disability retirement benefits, in addition to in-service death benefits.

### *Membership Tier*

There are four tiers of System members, determined by date of membership, as shown below. Benefits differ for each membership tier.

Tier 1:	Membership prior to 7/1/73
Tier 2:	Membership 7/1/73 - 7/26/76
Tier 3:	Membership 7/27/76 - 8/31/83
Tier 4:	Membership on or after 9/1/83

### *Eligibility for Service Retirement*

Under all tiers, members may retire and receive a service retirement benefit at age 55 if credited with five years of New York State service. Retirement for Tier 1 members is also possible with fewer years of service under certain circumstances.

Tier 1 members may retire at any age with 35 years of service. The creditable service under Benefit Enhancement (*see below*) greatly increases the number of members eligible under this provision.

Tier 3 members are entitled to the benefits under Tier 4. Because of the improvements in Tier 4, most Tier 3 members retire under the provisions of Tier 4. When the benefits under one tier are obviously better, a member will automatically receive the better benefits.

### *Service Retirement Benefit*

A Tier 1 member is eligible to retire at age 55 under the Career Plan without a reduction in benefits if credited with 20 years of State service. The pension for 20 years of New York State service credited after July 1, 1959 is 40% of final average salary. The maximum pension under the Career Plan is 79% of final average salary. This includes the two years of service added under Benefit Enhancement.

A Tier 2 member may retire at age 55 without a reduction in benefits if credited with 30 years of service. The pension for 30 years of service is 60% of final average salary. The maximum pension payable under Tier 2 is also 79% of final average salary.

A Tier 4 member, and a Tier 3 member electing to retire under Tier 4, may retire at age 55 without a reduction in benefits if credited with 30 years of service. The pension for 30 years of service is 60% of final average salary. Each year beyond 30 years increases the pension 1<sup>1</sup>/<sub>2</sub>% of final average salary.

### *Benefit Enhancement (Article 19)*

New York State law enacted in 2000 provides up to two additional years of service credit at retirement for Tier 1 and 2 members who meet the eligibility requirements. It also allows Tier 3 and 4 members to stop making 3% required contributions when they have been a member for 10 years or have 10 years of total service credit, whichever occurs first.

# NYSTRS INTRODUCTION

## Summary of Benefits (continued)

### *Pension Formulas*

A retirement benefit is determined by the formula **pension factor x final average salary = pension**. The **pension factor** under each tier for a service retirement is calculated using the percentages as shown in the following chart:

#### Pension Formulas for Service Retirement

##### **Tier 1**

2% x years of NYS service since July 1, 1959, plus 1.8% x years of NYS service before July 1, 1959, plus 1% x years of out-of-state service to 10 years\*, but there's a 5% reduction of pension for each year of NYS service under 20 years

##### **Tier 2**

Computed under the Tier 1 formula including the 5% reduction of pension for each year of NYS service under 20 years. Further reduction of 6% to 27% when retirement occurs before age 62 with credit for less than 30 years of NYS service.

##### **Tier 3 - Article 14\*\***

1<sup>2</sup>/<sub>3</sub>% x years of NYS service if credited with less than 20 years, or 2% x years of NYS service if credited with 20 or more years to a maximum of 60% with 30 or more years. Reduction of 6.7% to 30% when retirement occurs before age 62 with credit for less than 30 years of NYS service. At age 62, benefit reduced by 50% of primary Social Security benefit accrued while in NYS public employment.

##### **Tier 4 - Article 15**

1<sup>2</sup>/<sub>3</sub>% x years of NYS service if credited with less than 20 years, or 2% x years of NYS service if credited with 20 to 30 years, plus 1<sup>1</sup>/<sub>2</sub>% x years of NYS service beyond 30 years. Reduction of 6% to 27% when retirement occurs before age 62 with credit for less than 30 years of NYS service.

\*Out-of-state service cannot be used to exceed 35 years of service. However, service under Article 19 may allow this limit to equal 37 years.

\*\*Tier 3 members are entitled to receive either the benefits of Article 14 or the benefits of Article 15.

### *Final Average Salary*

Final average salary is defined as the average of the member's three highest consecutive years of regular salary, excluding termination pay, retirement bonuses, pay for unused sick days or accumulated vacation and increases in salary which exceed certain limitations.

Members who joined the System prior to June 17, 1971 are entitled to a five-year final average salary without the limitations of the three-year final average salary if the five-year final average salary is greater.

# INTRODUCTION **NYSTRS**

## Summary of Benefits (continued)

### *Vested Retirement*

STRS members who cease employment with five or more years of credited service are eligible for a vested retirement. The vested benefit is payable at age 55 and is calculated using the same factors as a service retirement benefit. However, if vested members choose to withdraw their member contributions or transfer membership to another NYS public retirement system, they will not be eligible for an STRS benefit. Tier 3 and Tier 4 members with at least 10 years of service cannot withdraw.

### *Disability Retirement*

Generally, members credited with at least 10 years of New York State service (five years for Tier 3 members) who become disabled as defined by applicable statute are entitled to a disability retirement benefit from the System. In most cases, the minimum disability benefit is 1/3 of final average salary. For Tier 3 and Tier 4 members who become disabled as the result of an accident sustained in the performance of their teaching duties, the five-year or 10-year eligibility requirement is waived.

Disability benefits are subject to the review and approval of the System's Medical Board and Retirement Board. The members of the Medical Board are:

**HARVEY R. BERNARD, M.D.**

Diplomate of the American Board of Surgeons  
Professor of Surgery  
Albany Medical College

**RICHARD P. PROPP, M.D.**

Diplomate of the American Board of Internal Medicine  
Diplomate of the American Board of Hematology  
Associate Clinical Professor of Medicine at the Albany Medical College  
Medical Consultant, Office of Medicaid Management,  
New York State Department of Health

**MELVIN J. STEINHART, M.D.**

Diplomate of the American Board of Psychiatry and Neurology  
Chief of Psychiatric Consultation-Liaison Service  
Professor of Clinical Psychiatry  
Professor of Clinical Medicine  
Albany Medical College

# NYSTRS INTRODUCTION

## Summary of Benefits (continued)

### *Member Contributions*

Tier 3 and Tier 4 members are mandated to contribute 3% of salary to the Retirement System until they have been a member for 10 years or have 10 years of service credit, whichever occurs first. Tier 3 and 4 pensions are funded by member and employer contributions. These contributions are not included in the member's gross income for federal income tax purposes until they are distributed or made available to the member, generally at retirement as part of a retirement benefit or upon withdrawal from the System. The member's salary prior to the reduction is used in all benefit calculations.

Tier 1 and 2 members are not required to contribute to the System. Tier 1 and Tier 2 members who have made contributions receive an annuity throughout retirement, in addition to the employer-funded pension described earlier. The annuity is based on total member contributions, life expectancy, date of membership and choice of benefit.

### *Transfer and Prior Service*

Under certain circumstances, members are eligible to transfer membership to or from another New York State public retirement system or claim credit for public employment prior to joining STRS.

### *Ordinary Death Benefits*

An employer-funded death benefit is paid if a member dies in service and certain eligibility requirements are met. In addition, if a member dies before retirement, any contributions made by the member to the System, plus interest, are paid to the designated beneficiary.

### *Tier 1 Death Benefit*

The amount of the employer-provided death benefit under Tier 1 is the greater of:

- a. three times the last 12 months of earnings to a maximum of \$20,000,

OR

- b. 1/12 of the member's last 12 months of earnings (exclusive of any form of termination pay) for each year of credited New York State service to a maximum of three times such earnings with 36 or more years of New York State service,

OR

- c. the Death Gamble provision. Under the Death Gamble, if a member dies in active service while eligible for retirement without a benefit reduction, the beneficiary is entitled to the pension reserve which would have been used to pay the retirement benefit computed under Section 510 of the Education Law.

# INTRODUCTION NYSTRS

## Summary of Benefits (continued)

### *Tier 2, 3 and 4 Death Benefit*

If a Tier 2, 3 or 4 member, who joined prior to January 1, 2001, dies before retirement and a death benefit is payable, STRS will pay to the beneficiary a death benefit calculated under Paragraph 2, unless the member selected Paragraph 1 and that calculation is higher. Members joining on or after January 1, 2001, are covered only by Paragraph 2.

Paragraph 1 - 1/12 of the member's last 12 months of regular earnings for each year of credited New York State service to a maximum of three times such earnings with 36 or more years of New York State service, or the Death Gamble benefit.

Paragraph 2 - One year's salary after a year of member service, increasing each year to a maximum of three years' salary after three or more years of member service. This benefit declines after age 60 at the rate of 4% per year, but never falls below 60% of the original death benefit otherwise payable.

Tier 2, 3 and 4 members who teach until retirement will also have a survivor's death benefit if death occurs after retirement. This is separate from any choice of a maximum retirement benefit or option.

1st Year	50% of benefit at retirement
2nd Year	25% of benefit at retirement
3rd & Ensuing Years	10% of benefit at age 60, if any, or at retirement if earlier

### *Accidental Death Benefit*

An accidental death benefit is payable in the form of a pension to the beneficiaries of Tier 3 and Tier 4 members who die as the result of an accident sustained in the performance of their teaching duties.

### *Vested Member Death Benefit*

A vested member death benefit is payable to the designated beneficiary or the estate of any member who has 10 or more years of credited service and does not meet the in-service eligibility requirement for an ordinary death benefit.

The amount of the benefit is one-half of the amount of the ordinary death benefit which would have been paid if the member's death had occurred on the last day of creditable service.

### *Retirement Options*

At the time of retirement, a member may elect the maximum retirement benefit with no protection for a beneficiary, or one of many actuarially equivalent options—lump sum, survivor, guarantee or alternative—providing protection for a beneficiary or beneficiaries.

### *Cost-of-Living Adjustment (COLA)*

All eligible current and future retired members will receive an automatic COLA based on 50% of the Consumer Price Index each year. It will be a minimum of 1% and a maximum of 3% and effective each September.

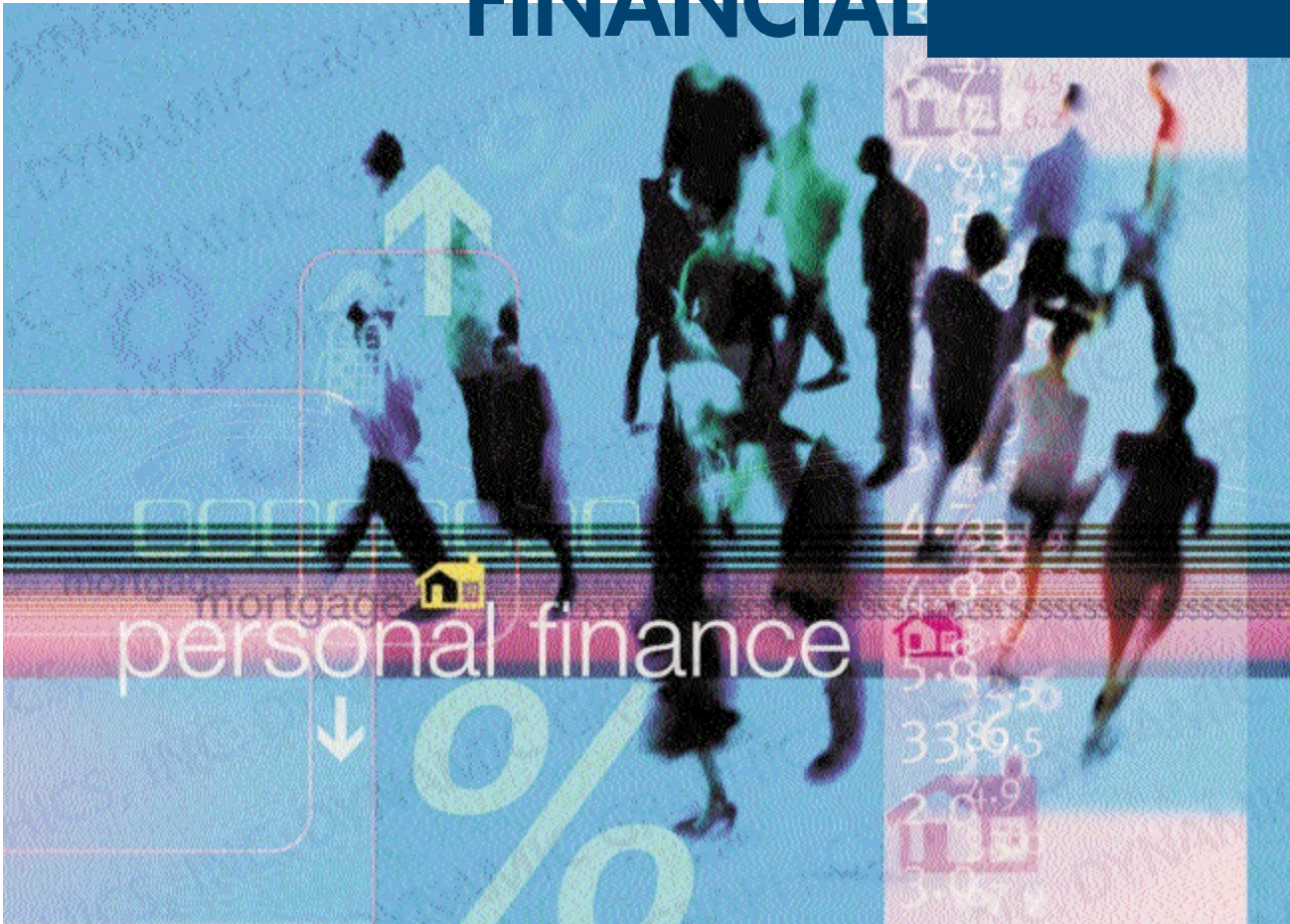
# “While the economic climate

*was mixed this fiscal  
year, the skies were  
sunny for both our  
active and retired  
members, who profited  
from history-making  
benefit improvements.”*

Lucy P. Martin  
President  
Retirement Board



# FINANCIAL NYSTRS



## Independent Auditors' Report



515 Broadway  
Albany, NY 12207

The Retirement Board  
New York State Teachers' Retirement System

We have audited the accompanying statements of plan net assets of the New York State Teachers' Retirement System (the System) as of June 30, 2001 and 2000, 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 auditing standards generally accepted in the United States of America. 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 New York State Teachers' Retirement System as of June 30, 2001 and 2000, 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.

The schedule of employer contributions and actuarial methods and assumptions is not a required part of the financial statements, but is supplementary information required under Government Accounting Standards Board Statement No. 25. We have applied certain limited procedures, which consist principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit this information and express no opinion on it.

Our audit was made for the purpose of forming an opinion on the financial statements taken as a whole. The other financial information included in Schedules 1 through 3 is not a required part of the financial statements. Such information has been subjected to the auditing procedures applied in our audit of the financial statements and, in our opinion, is fairly stated in all material respects in relation to the financial statements taken as a whole.

We did not audit the data as presented in the introduction, investments, actuarial and statistical sections of this report, and accordingly, express no opinion thereon.

**KPMG LLP**

August 10, 2001



KPMG LLP, KPMG, LLP, a U.S. limited liability partnership is a member of KPMG International, a Swiss association.

## Statement of Plan Net Assets—June 30, 2001 and 2000 (dollars in thousands)

<i>Assets</i>	<i>2001</i>	<i>2000</i>
Investments at fair value (Note 4):		
Short-term	\$ 3,098,906	\$ 954,716
Bonds	16,085,191	14,744,572
Stocks	46,680,553	54,798,012
International equities	6,730,334	9,060,404
Global bonds	-	2,016,872
Mortgages	3,796,545	3,074,910
Real estate	3,553,453	3,005,364
Alternative investments	1,068,098	653,613
Total investments	<u>81,013,080</u>	<u>88,308,463</u>
Receivables:		
Employer	24,227	123,076
Employer, long-term	253,165	244,486
Member	107,459	174,966
Investment income	221,792	233,456
Investment sales	34,663	115,947
Total receivables	<u>641,306</u>	<u>891,931</u>
Securities lending collateral, invested (Note 4)	3,620,278	7,781,616
Member loans	140,951	122,434
Building and equipment, net of depreciation	13,272	14,146
Other assets	63,153	73,146
Total assets	<u>85,492,040</u>	<u>97,191,736</u>
 <i>Liabilities</i>		
Securities lending collateral, due to borrowers (Note 4)	3,620,278	7,781,616
Investment purchases payable	68,851	39,520
Mortgage escrows and deposits, net of investments	59,750	56,429
Other liabilities (Note 7)	79,009	66,888
Total liabilities	<u>3,827,888</u>	<u>7,944,453</u>
Net assets held in trust for pension benefits (Notes 1 and 3)	<u>\$81,664,152</u>	<u>\$89,247,283</u>

See accompanying notes to the financial statements.

# NYSTRS FINANCIAL

## Statement of Changes In Plan Net Assets—June 30, 2001 and 2000 (dollars in thousands)

<i>Additions:</i>	2001	2000
Investment income:		
Net (depreciation) appreciation in fair value of investments	\$ (6,952,556)	\$ 3,989,553
Interest income	1,162,566	962,560
Dividend income	677,801	767,517
Real estate, net operating income	210,982	160,924
Securities lending, gross earnings	394,137	376,042
Other (net)	16,598	21,661
	<u>(4,490,472)</u>	<u>6,278,257</u>
Less: Investment expenses	87,122	82,546
Securities lending, rebates and fees	368,613	355,001
Net investment (loss) income	<u>(4,946,207)</u>	<u>5,840,710</u>
Contributions:		
Employer	50,172	151,987
Employer, long-term	102,546	59,512
Member	128,019	186,751
Transfers in/out (net)	29,023	43,247
Total contributions	<u>309,760</u>	<u>441,497</u>
Total additions	<u>(4,636,447)</u>	<u>6,282,207</u>
<i>Deductions:</i>		
Retirement benefit payments, periodic	2,834,136	2,410,628
Beneficiary payments	53,560	69,304
Return of contributions	28,407	40,529
Administrative expenses	30,581	28,878
Total deductions	<u>2,946,684</u>	<u>2,549,339</u>
Net (decrease) increase	(7,583,131)	3,732,868
Net assets held in trust for pension benefits, beginning of year	<u>89,247,283</u>	<u>85,514,415</u>
Net assets held in trust for pension benefits, end of year	<u>\$81,664,152</u>	<u>\$89,247,283</u>

See accompanying notes to financial statements.

## Notes to Financial Statements—June 30, 2001 and 2000 (dollars in thousands)

### 1. Plan Description

The New York State Teachers' Retirement System (the System) was created and exists, pursuant to Article 11 of the New York State Education Law. The System is the administrator of a cost-sharing, multiple-employer public employee retirement system (PERS), administered by a 10-member Board to provide pension benefits for teachers employed by participating employers in the State of New York, excluding New York City.

As of June 30, the number of participating employers was:

	<u>2001</u>	<u>2000</u>
Public School Districts	701	702
B.O.C.E.S.	38	38
S.U.N.Y.	31	31
Community Colleges	31	31
Charter Schools	5	-
Other	<u>7</u>	<u>7</u>
	<u>813</u>	<u>809</u>

As of June 30, the System membership consisted of:

	<u>2001</u>	<u>2000</u>
Retired members and beneficiaries		
currently receiving benefits	106,123	100,839
Terminated members entitled to but		
not yet receiving benefits	4,804	4,935
Active members	<u>229,546</u>	<u>220,051</u>
Total	<u>340,473</u>	<u>325,825</u>

### Benefits

The benefits provided to members of the System are established by New York State law and may be amended only by the legislature with the Governor's approval. Benefit provisions vary depending on date of membership and are subdivided into the following four classes:

Tier 1—Members who last joined prior to July 1, 1973 are covered by the provisions of Article 11 of the Education Law.

Tier 2—Members who last joined on or after July 1, 1973 and prior to July 27, 1976 are covered by the provisions of Article 11 of the Education Law and Article 11 of the Retirement and Social Security Law.

Tier 3—Members who last joined on or after July 27, 1976 and prior to September 1, 1983 are covered by the provisions of Article 14 and Article 15 of the Retirement and Social Security Law.

Tier 4—Members who joined on or after September 1, 1983 are covered by the provisions of Article 15 of the Retirement and Social Security Law.

### Service Retirements

Tier 1 members are eligible for a service retirement allowance, of approximately 2% per year of credited service times the final average salary, at age 55. Tiers 2, 3 and 4 are eligible for the same but with the following limitations: 1) Tier 2 members receive a reduced benefit for retirement before age 62 with less than 30 years of service; and 2) Tier 3 and Tier 4 members receive an unreduced benefit for retirement at age 62 or retirement at ages 55 through 61 with 30 years of service or a reduced benefit for retirement at ages 55 through 61 with less than 30 years of service.

### Vested Benefits

Retirement benefits vest after 5 years of credited service and are payable at age 55 or greater with the limitations noted for service retirements above.

### Disability Retirement

Members are eligible for disability retirement benefits after 10 years of credited New York State service, except for Tier 3, where disability retirement is permissible after 5 years of credited New York State service pursuant to the provisions of Article 14 of the Retirement and Social Security Law. The Tier 3 benefit is integrated with Social Security.

### Death Benefits

Death benefits are paid to the beneficiary of active members who die in service. The benefit is based on final salary and the number of years of credited service.

### Prior Service

After 2 years of membership, members of all tiers may claim and receive credit for prior New York State public or teaching service. Only Tier 1 and 2 members may, under certain conditions, claim out-of-state service.

### Tier Reinstatement

In accordance with Chapter 640 of the Laws of 1998, any active member who had a prior membership may elect to be reinstated to their original date and tier of membership.

### Member Contributions

Tier 3 and Tier 4 members who have less than 10 years of service or membership are required by law to contribute 3% of salary to the System. Pursuant to Article 14 and Article 15 of the Retirement and Social Security Law, those member contributions are used to help fund the benefits provided by the System.



## Notes to Financial Statements (dollars in thousands)

However, if a member leaves covered employment with less than 5 years of credited service or dies, the member contributions with interest calculated at 5% per annum are refunded to the employee or designated beneficiary. Eligible Tier 1 and Tier 2 members may make member contributions under certain conditions pursuant to the provisions of Article 11 of the Education Law and Article 11 of the Retirement and Social Security Law. Upon termination of membership, such accumulated member contributions are refunded. At retirement, such accumulated member contributions can be withdrawn or are paid as a life annuity.

### Article 19 Benefit Enhancement

Article 19 of the Retirement and Social Security Law allows eligible Tier 1 and 2 members to receive additional service credit of one-twelfth of a year for each year of retirement credit as of the date of retirement or death up to a maximum of two additional years. Effective October 2000, Tier 3 and 4 members are no longer required to make 3% contributions after obtaining the earlier of 10 or more years of service credit or 10 or more years of membership.

### Permanent Cost-of-Living Adjustment (COLA)

Section 532-a of the Education Law provides a permanent cost-of-living benefit to both current and future retired members. This benefit will be paid commencing September 2001 to retired members who have attained age 62 and have been retired for five years or attained age 55 and have been retired for 10 years. Disability retirees must have been retired for five years, regardless of age, to be eligible. The annual COLA percentage is equal to 50% of the increase in the Consumer Price Index, not to exceed 3% nor be lower than 1%. It is applied to the first eighteen thousand dollars of annual benefit. The applicable percentage payable September 2001 is 1.5%.

Members who retired prior to July 1, 1970 are eligible for a minimum benefit of twelve thousand two hundred fifty dollars for 35 years of credited full-time New York State service. During the 2001 Session, the Legislature passed a bill to increase this minimum to seventeen thousand five hundred dollars. It is awaiting action by the Governor. Certain members who retire pursuant to the provisions of Article 14 of the Retirement and Social Security Law are eligible for automatic cost-of-living supplementation based on the increase in the consumer price index with a maximum per annum increase of 3%.

## 2. Summary of Significant Accounting Policies

### Basis of Accounting

The System's financial statements are prepared using the accrual basis of accounting. Plan member contributions are recognized in the period in which the contributions are due. Employer contributions are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Investment purchases and sales are recorded on a trade date basis.

### Method Used to Value Investments

Plan investments are reported at fair value. Quoted market prices, when available, have been used to value investments. Many factors are considered in arriving at that value. International equities and global bonds are valued based upon quoted foreign market prices and translated into U.S. dollars at the exchange rate in effect at June 30. In general, corporate debt securities have been valued at quoted market prices or, if not available, values are based on yields currently available on comparable securities of issuers with similar credit ratings. Mortgages have been valued on the basis of their future principal and interest payments discounted at prevailing interest rates for similar instruments. The fair value of real estate investments is based on appraisals plus fiscal year-to-date capital expenditures. Publicly traded alternative investments are valued based on quoted market prices. When not readily available, alternative investment securities are valued based on a good faith determination of the General Partner.

### Employer/Member Contributions Receivable

#### Current:

Employer contributions receivable are determined by applying the actuarially calculated contribution rate of 0.43% and 1.43% to the estimated covered payroll for fiscal years ended June 30, 2001 and 2000, respectively.

Member contributions receivable are computed by multiplying the statutorily required member contribution rate of 3% against the estimated salaries of those Tier 3 and 4 members with less than 10 years of service or membership. Estimated voluntary Tier 1 contributions are also included in the member contributions receivable.

## Notes to Financial Statements (dollars in thousands)

### Long Term:

As a result of the enactment of Chapter 175 of the Laws of 1990, employer contributions due for the 1989 fiscal year which were payable in the 1990 fiscal year are to be paid in fifteen annual payments, including interest at 8%, and commenced in October 1990. Certain employers have prepaid some or all of the deferred amount.

Various retirement incentive programs have been enacted under which members are granted additional service credit as an inducement to retire. Numerous employers have elected to participate in one or more of these incentives. Employers have the option of payment in one year or over five years including interest at 8%.

Chapter 437 of the Laws of 1993 provides for improved benefits for certain qualifying members through transfer, prior service and retroactive membership. Employers have the option of payment over one, five or ten years including interest at 8%.

### Building and Equipment

Fixed assets are recorded at historical cost. Depreciation has been provided over the estimated useful lives using the straight line method. The estimated useful lives are as follows:

	<u>Years</u>
Building	50
Building Improvements	Various
Roads and Shrubbery	15
Office Furniture and Equipment	7
Office Machinery/Computer Equipment & Software	5
Automobiles	4

### Federal Tax Status

The System is exempt from Federal income taxes under the Internal Revenue Code.

### Reclassifications

Amounts in the prior year's financial statements are reclassified whenever necessary to conform to the presentation in the current year's financial statements.

### Use of Estimates

Management of the System has made a number of estimates and assumptions relating to the reporting of assets and liabilities and the disclosure of contingent assets and liabilities to prepare these financial statements in conformity with accounting principles generally accepted in the United States of America. Actual results could differ from those estimates.

### 3. Funds

The following funds were established pursuant to the laws of the State of New York. All of the funds, with the exception of the Administrative Fund, are available for the payment of benefits to members or beneficiaries.

#### Annuity Savings Fund

The fund in which contributions of Tier 1 and 2 members covered by the provisions of Article 11 of the Education Law and Article 11 of the Retirement and Social Security Law are accumulated.

#### Annuity Reserve Fund

The fund from which the accumulated contributions of members covered by the provisions of Article 11 of the Education Law and Article 11 of the Retirement and Social Security Law are paid as a life annuity.

#### Pension Accumulation Fund

The fund in which all reserves for the payment of all benefits are accumulated with the exception of the annuity provided by the accumulated contributions of Tier 1 and 2 members, supplemental retirement allowances and group term life insurance.

#### Pension Reserve Fund

The fund from which pensions are paid from reserves transferred from the Pension Accumulation Fund.

#### Group Life Insurance Fund

Pursuant to Article 4-B of the Retirement and Social Security Law, the Retirement Board established a Group Life Insurance Fund. The Group Life Insurance Fund provides a group term death benefit not to exceed fifty thousand dollars, payable upon the death of eligible members. Group term death benefits paid for the fiscal years ended June 30, 2001 and 2000 were \$7,719 and \$7,006, respectively. For reporting purposes below and in the other financial information, this fund is combined with the Pension Accumulation Fund.



## Notes to Financial Statements (dollars in thousands)

### CO-ESC Member Contributions Fund

Members covered by the provisions of Article 14 and Article 15 of the Retirement and Social Security Law contributed 3% of salary to the System's CO-ESC Member Contribution Fund. Effective October 2000, contributions were eliminated for members with 10 or more years of service or membership. Contributions to this fund were \$112,827 and \$178,108 in fiscal years ended June 30, 2001 and 2000, respectively. For reporting purposes below, this fund is combined with the Pension Accumulation Fund.

### Supplemental Retirement Allowance Fund

Pursuant to Section 518-a of Article 11 of the Education Law, the supplemental retirement allowances provided by Section 532 of such law are paid to eligible retired members and beneficiaries of the System from the Supplemental Retirement Allowance Fund. Supplemental retirement allowances paid for the fiscal years ended June 30, 2001 and 2000 were \$16,652 and \$104,460, respectively. For reporting purposes below, this fund is combined with the Pension Accumulation Fund. Chapter 125 of the Laws of 2000 replaces the Supplemental Fund and provides for a permanent, annually adjusted cost-of-living benefit.

### Administrative Fund

All operating expenses of the System are paid through this fund. The fund receives an allocation from employer contributions which are designated by law to cover all noninvestment related operating expenses. Investment expenses are offset directly by investment income.

### Summary of Fund Balances

Net assets held in trust for pension benefits consisted of:

	June 30	
	<u>2001</u>	<u>2000</u>
Administrative Fund	\$ 7,872	\$ 8,187
Annuity Savings Fund	84,814	103,267
Annuity Reserve Fund	262,369	272,884
Pension Accumulation Fund	53,484,402	68,228,412
Pension Reserve Fund	<u>27,824,695</u>	<u>20,634,533</u>
Total	<u>\$81,664,152</u>	<u>\$89,247,283</u>

### 4. Deposits and Investments

The System has been authorized by the New York State Legislature pursuant to Section 177 of the Retirement and Social Security Law, as well as certain other provisions of the Banking Law, Education Law and Retirement and Social Security Law, to invest in stocks, bonds, mortgages, real estate and other investments. A specific investment within these broad asset classes may be subject to particular restrictions or limitations contained in the applicable statutory provision. Pursuant to regulations promulgated by the New York State Department of Insurance, investments must be made in a manner consistent with those of a reasonably prudent person exercising care, skill and caution. In addition to applicable legal constraints, the Retirement Board has adopted policies governing the investments made by the System. The System maintains certain deposits, cash equivalents and other investments with financial institutions.

#### Deposits

The head of the Division of the Treasury in the Department of Taxation and Finance is the statutory custodian of the funds of the System. In this capacity, the statutory custodian has arranged to have bank accounts collateralized with the collateral being held in the name of the Treasurer as custodian for the System, by a bank, other than the System's depository bank. At June 30, 2001 and 2000, the System's bank accounts were fully collateralized.

#### Investments

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

## Notes to Financial Statements (dollars in thousands)

### Investments - categorized (in thousands):

	Category			Total Fair Value 6/30/2001
	1	2	3	
Commercial paper	\$ 2,312,979	\$	\$	\$2,312,979
US Govt. & agency bonds:				
Not on securities loan	8,258,214			8,258,214
Corporate bonds				
Not on securities loan	6,183,297			6,183,297
Stocks				
Not on securities loan	45,599,486			45,599,486
On securities loan for non-cash collateral	684			684
Subtotal	<u>\$62,354,660</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$62,354,660</u>

### Investments - not categorized (in thousands):

Investments held by broker-dealers under securities loans for cash collateral:	
US Govt. & agency bonds	2,357,271
Corporate bonds	72,336
Stocks	1,080,383
International equities, commingled funds	6,730,334
Mortgages	3,796,545
Real estate	3,553,453
Alternative investments	1,068,098
Subtotal	<u>81,013,080</u>
Securities lending collateral, short-term investment fund	3,620,278
Total	<u>\$84,633,358</u>

Disclosures relating to risk and type of investments as presented above are indicative of activity and positions held during the year. No significant fluctuations occurred during the periods presented, other than movement of investments in and out of the short-term category to the categories of a longer term nature.

### Securities Lending Transactions

Section 177-d of the Retirement and Social Security law authorizes the System to enter into securities lending transactions, which consist of loans of securities to broker-dealers or other entities for collateral with a simultaneous agreement to return the collateral for the same securities in the future. The market value of securities loaned may not exceed 20% of the market value of the

System's invested assets. U.S. government and agency bonds, domestic bonds, and domestic equities are loaned. The System's custodial bank acts as its agent in lending securities for initial collateral of at least 102% of the market value of loaned securities. Collateral is marked to market daily and is required not to fall below 100%. Collateral may be cash or U.S. government and agency bonds. Securities loaned for cash at year end are presented as unclassified in the preceding schedule of custodial credit risk. Collateral securities cannot be pledged or sold by the System. At year end, the System has no credit risk exposure to borrowers because the amounts the System owes the borrowers (the collateral) exceeds the amounts the borrowers owe the System (the loaned securities). Under the terms of the contract with the lending agent, the System is fully indemnified against failure of the borrowers to return the loan securities (to the extent the collateral is inadequate to replace the loaned securities) or failure to pay the System for income distributions by the securities' issuers while the securities are on loan. There were no significant violations of legal or contractual provisions, no borrower or lending agent defaults, and no recoveries of prior-period losses during the year.

The majority of securities on loan can be recalled by the System on demand or returned by the borrower at any time. There is no direct match of the maturities of the collateral investments with the maturities of the securities loans. During the year the System transitioned its custodial bank/lending agent from Deutsche Bank to State Street Bank & Trust Co. As part of the change, cash collateral, which was invested by Deutsche Bank in a separately managed A1/P1 investment account, is now invested in a commingled short-term investment fund managed by State Street Bank & Trust Co. Investments are restricted to issuers with a short-term credit rating not lower than A1/P1, or long-term ratings not lower than A-/A3, or the equivalent thereof. At June 30, the average effective duration of the fund was 73 days.

### 5. Stock Option Program

The Retirement System Board has authorized a Covered Call Option program. Once the decision to sell a security has been made, the System can write covered call options on those stocks identified for sale. Although option contracts were written in both years, as of June 30, 2001 and 2000, no option contracts were open.

## Notes to Financial Statements (dollars in thousands)

### 6. *Off-Balance-Sheet Financing*

The System in the normal course of business enters into commitments with off-balance-sheet risk. The System adheres to the same credit policies, financial and administrative controls and risk limiting and monitoring procedures for commitments as for on-balance-sheet investments.

The commitments for loans on real estate or purchases of real estate are subject to satisfactory appraisals prior to closing. Once investments are made, the System's exposure to potential loss is determined by the value of the underlying collateral.

The future financial commitments outstanding on June 30, 2001 are: real estate commingled funds \$497,570, mortgage investments \$185,535, and private equity investments \$2,141,797.

### 7. *Other Liabilities*

Other liabilities include amounts due to bank for disbursements issued on previous business days which are funded when presented for payment at the issuing bank. Of the total other liabilities of \$79,009 and \$66,888 at June 30, 2001 and 2000, respectively, \$15,607 and \$14,023, respectively, were outstanding drafts.

### 8. *System Employees' Pension Plan* Plan Description

As an employer, the System participates in the New York State and Local Retirement System (NYSLRS), a cost sharing, multi-employer defined benefit pension plan administered by the Comptroller of the State of New York. NYSLRS provides retirement, disability, withdrawal and death benefits to plan members and beneficiaries as authorized by the Retirement and Social Security Law of the State of New York. Benefits are guaranteed by the State Constitution and cannot be diminished or impaired. Benefits can be reduced for future members only by an act of the State Legislature. The NYSLRS issues a publicly available financial report that contains financial statements and required supplementary information. The report may be obtained by writing to the New York State and Local Retirement System, Gov. Smith State Office Bldg., Albany, New York 12244.

### Funding Policy

Funding of NYSLRS is accomplished through member and employer contributions and investment earnings, according to the New York State Retirement and Social Security Law.

Plan members who joined the System before July 27, 1976 are not required to make contributions. Those joining on or after July 27, 1976 who have less than 10 years of service or membership are required to contribute 3% of their annual salary. Employers are required to contribute at an actuarially determined rate. Pension legislation enacted in 1973, 1976 and 1983 established distinct classes of membership referred to as Tiers 1, 2, 3 and 4. An average employer contribution rate for these tiers of 0.2% was applicable to the annual covered payroll for the fiscal year ended March 31, 2001. Average rates applicable to the fiscal years ended March 31, 2000 and 1999 were, respectively, 0.1% and 0.6%. The required contributions paid to NYSLRS during the System's fiscal years ended June 30, 2001, 2000 and 1999 were, respectively, \$36, \$28 and \$100 and were 100% of the contributions required.

### 9. *Other Post Employment Benefits*

Pursuant to contractual agreement and policy, the System provides post retirement health care benefits to System employees who retire from the System. Substantially all of the System's employees may become eligible for these benefits if they reach normal retirement age while working for the System. Approximately 168 retirees were enrolled in the health plan in the current year. The System's contribution to the health premium depends upon the date the employee retired. The System recognizes the cost of providing health insurance by recording its share of premiums as an expense in the year paid. For the years ended June 30, 2001 and 2000, the amounts recognized for post retirement health care were \$845 and \$359, respectively.

### 10. *Risk Management*

The System is exposed to various risks of loss related to torts; theft of, damage to and destruction of assets; errors and omissions; job related illnesses or injuries to employees; and natural disasters for which the System carries commercial insurance. There were no settlements in the past three years that exceeded coverage.

## Required Supplementary Information

### *Actuarial Methods and Assumptions*

Pursuant to Article 11 of the Education Law, the System uses the Aggregate Cost Method to calculate the annual required contribution, expressed as the employer contribution rate. Under this method, the difference between the actuarial present value of projected benefits for the group included in the valuation and the actuarial value of assets is allocated on a level percentage basis over the salary of the group between the valuation date and assumed exit from the System. Actuarial gains and losses are not separately amortized but are spread over the average future working lifetime of active members and included in the annual normal rate calculation. A schedule of funding progress is not required to be presented because this method does not identify or separately amortize an unfunded actuarial accrued liability.

Administrative expenses, the first \$50,000 of a member's death benefit and benefits in excess of the Internal Revenue Code Section 415 limits are valued on a one-year term cost or pay-as-you-go basis.

Updated actuarial assumptions were adopted by the Retirement Board on October 25, 2000 and were first used in the June 30, 2000 actuarial valuation.

The significant methods and assumptions used in the June 30, 2000 actuarial valuation are as follows:

#### **Economic**

Valuation rate of interest\* 8.0%  
Salary scale\* Varies by age and gender

#### **Demographic**

Mortality rates *(Based upon*  
Withdrawal rates *recent member*  
Retirement rates *experience)*

Asset valuation method Techniques are consistent with the class and the holding period of the assets, including the use of a five-year market smoothing for equities, real estate, global bonds and alternative investments.

\*Includes an assumed annual inflation rate of 3.0% (4.5% in 1999)

### *Schedule of Employer Contributions*

(dollars in thousands)

Year Ended June 30	Annual Required Contribution	Percentage Contributed
1996	\$659,000	100%
1997	438,829	100
1998	209,192	100
1999	230,926	100
2000	211,499	100
2001	152,718	100

# NYSTRS FINANCIAL

## Administrative Expenses—Schedule 1 Years Ended June 30, 2001 and 2000

### Salaries and benefits:

	2001	2000
Salaries	\$17,500,231	\$16,474,491
Civil Service fees	53,694	39,016
Employees' retirement	35,535	27,680
Health and dental insurance	2,799,033	2,371,073
Overtime salaries	112,340	178,064
Social Security	1,239,291	1,176,594
	<u>21,740,124</u>	<u>20,266,918</u>

### Building occupancy expenses:

Building, grounds and equipment	716,791	630,518
Depreciation - building and improvement	358,523	343,025
Depreciation - telephone and equipment	119,799	116,163
Office supplies and services	197,579	177,713
Utilities and municipal assessments	1,042,424	882,210
	<u>2,435,116</u>	<u>2,149,629</u>

### Computer expenses:

Amortization/depreciation - mainframe computer	51,862	48,947
Amortization/depreciation - micro computer	837,578	763,197
Computer hardware and software	1,106,884	1,227,225
Computer maintenance and supplies	285,371	335,594
	<u>2,281,695</u>	<u>2,374,963</u>

### Investment expenses:

Advisory committee expenses	42,405	45,574
Investment information services	497,280	772,854
Service costs - real estate	55,228	81,830
	<u>594,913</u>	<u>900,258</u>

### Personnel and meeting expenses:

Board - meetings, travel and education	87,709	90,630
Delegates' meeting	35,104	39,433
Preretirement seminars	128,352	118,519
Professional development	640,031	531,034
Travel and automobile	95,603	97,301
Other personnel expenses	56,054	54,260
	<u>1,042,853</u>	<u>931,177</u>

### Professional and governmental:

Auditors - financial	71,890	63,010
Auditors - insurance department	40,000	36,000
Disability medical examinations	69,742	63,112
Postage and cartage	754,076	601,039
Printing	28,121	80,560
Professional fees and services	861,457	791,730
Publications	460,546	432,467
Statutory custodian	200,351	187,253
	<u>2,486,183</u>	<u>2,255,171</u>
Total expenses	<u>\$30,580,884</u>	<u>\$28,878,116</u>

## Investment Summary—Schedule 2 Year Ended June 30, 2001 (dollars in thousands)

	Fair Value 2000	Acquisitions	Appreciation (Depreciation)	Sales, Redemptions, Maturities & Paydowns	Fair Value 2001	Percent of Fair Value
Short-term	\$ 954,716	\$36,071,419	\$ —	\$33,927,229	\$ 3,098,906	3.82%
Bonds	14,744,572	3,236,044	922,106	2,817,531	16,085,191	19.85
Stocks	54,798,012	6,177,911	(5,943,074)	8,352,296	46,680,553	57.62
International equities	9,060,404	—	(2,193,098)	136,972	6,730,334	8.31
Global bonds	2,016,872	—	(20,475)	1,996,397	—	—
Mortgages	3,074,910	915,274	46,575	240,214	3,796,545	4.69
Real estate separate accounts, commingled	739,145	176,517	50,357	28,458	937,561	1.16
Real estate	2,167,219	775,018	132,811	566,156	2,508,892	3.10
Other real estate owned	99,000	4,325	8,700	5,025	107,000	0.13
Alternative investments	653,613	509,993	43,542	139,050	1,068,098	1.32
Totals	<u>\$88,308,463</u>	<u>\$47,866,501</u>	<u>\$ (6,952,556)</u>	<u>\$48,209,328</u>	<u>\$81,013,080</u>	<u>100.00%</u>

## Investment Expenses—Schedule 3 Year Ended June 30, 2001 (dollars in thousands)

Investment Category	Assets Serviced or Under Management	Expenses
Domestic equities	\$ 3,129,347	\$18,462
International equities	6,730,334	21,362
Global bonds	-	514
Commercial mortgage backed securities	199,136	120
Mortgages	1,725,306	786
Real estate	3,446,453	30,115
REITS	674,665	2,430
Alternative investments	1,068,098	11,838
General investments	-	1,495
Totals	<u>\$16,973,339</u>	<u>\$87,122</u>

# “The System’s well-diversified

*portfolio was crucial in protecting our long-term assets during a fiscal year characterized by market volatility. ...STRS continues to generate long-term returns well in excess of our actuarial assumptions.”*

George M. Philip  
Executive Director and  
Chief Investment Officer



# INVESTMENTS NYSTRS

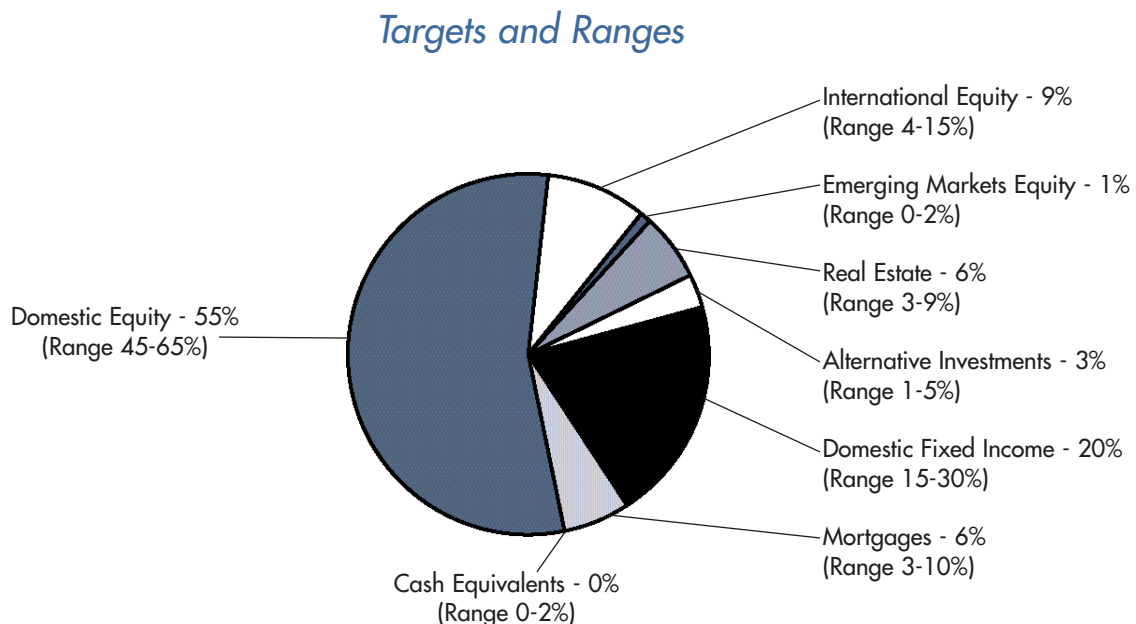
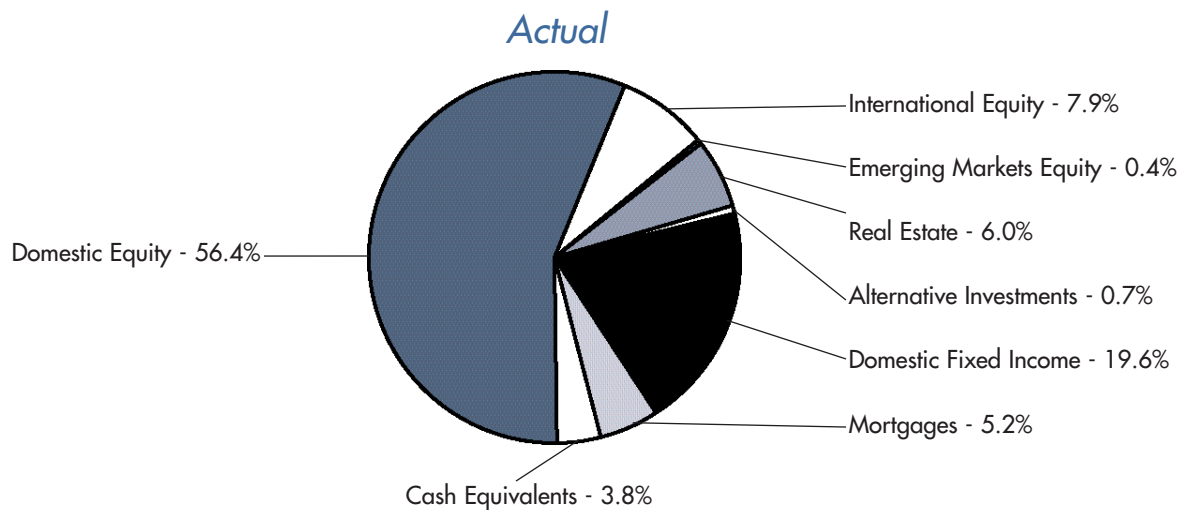


# NYSTRS INVESTMENTS

## Chief Investment Officer's Overview

Without doubt, the System's well-diversified portfolio was crucial in protecting our funded status during a fiscal year characterized by market volatility. At a time when equity markets were experiencing some of their worst performances in their history, we were able to weather the turbulence. Although we did give back some of the gains we accumulated over the past decade, STRS generated long-term returns well in excess of our actuarial assumptions.

Key to that diversified portfolio is the asset allocation process. The System invests in various asset classes with the objective of maximizing returns within an appropriate level of risk. The Retirement Board, acting on the recommendations of staff and consultants, adjusts the targets and ranges for each asset class annually, if necessary. At its July 2000 meeting, the Retirement Board eliminated the Global Fixed Income asset class. This temporarily increased our cash equivalent balance above policy range. The Board also increased the target for Alternative Investments to 3%. The charts below show the asset allocation as of June 30, 2001.



## Chief Investment Officer's Overview (continued)

### *Overall Objective and Performance*

The Board's objective is to establish a long-term asset allocation that maximizes expected returns with an appropriate level of risk. The program is structured to generate a long-term total return that equals or exceeds the actuarial assumption of 8% per annum.

As long-term investors, we anticipate and prepare for volatility such as that experienced in our most recent fiscal year. As a result, the System's performance of 11.2% and 12.2% over the past five and 10 years, respectively, significantly exceeded the 8% benchmark. However, the current fiscal year yielded disappointing results of -5.7%.

The reaction of the portfolio to the 2001 fiscal year environment supported the strategy of reduced overall risk through portfolio diversification. In actuality, the year provided a realistic "stress test" for the overall portfolio.

### *Domestic Equities*

The tremendous decline in speculative values of technology and Internet related companies' stocks resulted in decreased values for most equity markets. Consequently, the System's fiscal 2001 was a difficult period for equity returns. For example, the S&P 500 Index decreased by 14.8% during fiscal 2001 while the Russell 3000 Index decreased by 13.9%. Although the return of the System's Domestic Equities was -10.5% for fiscal 2001, the annualized 5 and 10 year returns remained relatively high at 13.5% and 14.7%, respectively. The reduction in the Federal Reserve interest rate from 6.5% to 3.75% during the past six months should stabilize the equity markets and result in more favorable equity prices during the System's 2002 fiscal year.

Approximately 91% of the portfolio is passively managed internally by System staff and emulates the Russell 1000 Value and Russell 3000 indices. External money managers actively manage the remaining 9%.

### *International Equities*

All of the Retirement System's international equity assets are externally managed in commingled funds. During the year ended June 30, 2001, ten managers used four different styles: active, active/passive, passive, and emerging markets. The active and emerging market managers make decisions on country, currency and stock. The active/passive managers decide which country and currency to invest in, but use an index to select stocks. The passive managers are passive with respect to all three components and invest in the EAFE index.

The System's active portfolios underperformed the benchmark, the active/passive portfolio outperformed, and the passive portfolios continued to be slightly ahead of the benchmark. The return of the international equity portfolio, excluding emerging markets, was -24.0% for the year compared to -23.6% for the benchmark.

The emerging market portfolios underperformed the benchmark, -28.9% versus -26.0%. The Retirement System's Board voted on July 26, 2001 to eliminate Emerging Market Equity securities as a separate asset class.

### *Domestic Fixed Income*

The System's domestic fixed income portfolio helps to generate the cash flow required to pay retirement benefits. Over \$240 million per month is currently required to meet this liability and projections show that this number will continue to increase. The portfolio is managed internally and emphasizes the purchase of high quality investment grade securities such as U.S. Government guaranteed issues, corporate and mortgage related securities.

# NYSTRS INVESTMENTS

## Chief Investment Officer's Overview (continued)

The Federal Reserve Board and Chairman Greenspan were very instrumental in setting the tone for interest rates during the past year. Recognizing the slowing rate of growth in the economy, the Fed was very aggressive in lowering interest rates. Traditionally, such actions lower mortgage rates, promote robust housing markets and encourage consumer spending. The Federal Reserve Board believes that inflation remains under control.

The bond market welcomed the six interest cuts instituted by the Fed. The slowing economy with no visible threat of increasing inflation led to good performance within the System's portfolio. The portfolio produced a total annual return of 11.1%.

### *Short-term (Cash Equivalents)*

The short-term portfolio is comprised of high quality debt instruments that are readily convertible into cash and generally mature in twelve months or less from the time of purchase. As of June 30, the weighted average maturity of the portfolio was 34 days. This portfolio provides for the temporary investment of System cash, in anticipation of the monthly payment of pensioner benefits as well as the purchase of long-term investments. For the twelve-month period ended June 30, 2001, the short-term portfolio returned 6.1% versus iMoneyNet Money Fund Report Averages/All Taxable benchmark return of 5.4%.

### *Real Estate*

STRS' real estate portfolio is made up of a debt portfolio of approximately \$4.2 billion and an equity portfolio of approximately \$4.9 billion in assets. Both portfolios were very active during fiscal 2001. The System funded mortgages and new equity investments totaling more than \$915 million and \$894 million, respectively. The net increase in the total real estate and mortgage portfolio was approximately \$1.8 billion, or 24.8%, over fiscal 2000. In addition, at year end the System had over \$185 million in mortgage commitments and more than \$717 million in new equity investment commitments.

The System's mortgage and equity real estate portfolios achieved total after-fee returns of 10.5% and 13.5%, respectively. The mortgage portfolio represents 5.2% and the equity real estate portfolio 6.0% of the System's net plan assets. New York State investments make up approximately 19.1% of the mortgage portfolio. There were no mortgage foreclosures during fiscal 2001.

In order to take advantage of market opportunities, the System sold two office parks, one office building, one industrial property and one apartment complex during the year. All of the sales were at or above appraised value. Sales of additional assets are pending.

### *Alternative Investments*

These investments may cover periods of 10 years or more and are intended to achieve higher long-term returns than available through marketable securities. The investments are generally structured as limited partnerships. Approximately 92% of the System's alternative investments consist of private equity and the remaining 8% are timberland. As of June 30, 2001, the total market value of these investments was \$1.1 billion. For asset allocation purposes, \$517 million of private equity investments are based on real estate and timberland investments and are categorized as real estate equity. The market value of non-real estate alternative investments was \$552 million. The non-real estate private equity investments returned -7.2%, 21.6% and 22.2% for the 1, 3 and 5 year periods ended June 30, 2001, all of which have exceeded the System's expectations of the S&P 500 total return plus 5%.



## Chief Investment Officer's Overview (continued)

We continue to increase our investments in this asset class and currently have additional commitments of \$2.3 billion that will be funded over the next several years. Approximately \$2.2 billion of these additional commitments are to private equity type investments and \$141 million are to real estate funds.

### *Other Programs*

#### Securities Lending

Domestic equity and fixed income securities from the System's portfolio are "loaned" by the System's agent lender, State Street Bank, to select borrowers in return for cash or non-cash collateral under an agreement to return the collateral for the loaned security in the future. The System's agent lender invests the cash collateral in high quality short-term debt instruments in adherence to established investment guidelines. The System retains a portion of the cash collateral earnings and receives fees when accepting non-cash collateral. During the term of the loan, the System maintains the right to receive all distributions, including dividends and interest, while waiving the privilege to vote securities.

The securities lending program generated approximately \$25.5 million in income during the fiscal year ended June 30, 2001, a 21.4% increase over the \$21 million earned the prior year. Approximately 4.3% of the total investment portfolio was on loan at year-end, compared to 9.0% as of June 30, 2000.

#### Commission Recapture

For securities traded in the internally managed index funds, the System aggressively negotiates with brokers for the lowest commission possible. Outside managers have discretion to select brokers as they trade for their portfolios. The commission recapture program allows the System to recoup some of those commissions in the form of cash payments. During the fiscal year, the System recaptured approximately \$722,000 directly from brokers used by external managers.

#### Call Options

This program allows the System to generate additional revenue in the form of option premiums, by writing covered call options against securities that are earmarked to be sold as part of the periodic rebalancing of the internally managed index funds. During the year ended June 30, 2001, the System generated approximately \$10 million in premiums.

# NYSTRS INVESTMENTS

## Diversification of Investments—June 30, 2001 and 2000 (dollars in thousands)

<i>Investment Type</i>	<u>2001</u>	<u>Percent</u>	<u>2000</u>	<u>Percent</u>	<u>Increase (Decrease)</u>
Short-term:					
U.S. Treasury and agency	\$ 785,927		\$ 106,657		\$ 679,270
Corporate	2,312,979		848,059		1,464,920
	<u>3,098,906</u>	3.82	<u>954,716</u>	1.08	<u>2,144,190</u>
Bonds:					
United States Treasury	5,910,487		5,845,193		65,294
Federal agencies, notes and debentures	950,547		1,450,647		(500,100)
Federal agencies, mortgage backed	2,968,524		1,861,383		1,107,141
Corporate	6,034,290		5,398,783		635,507
Canadian	221,343		188,566		32,777
	<u>16,085,191</u>	19.85	<u>14,744,572</u>	16.70	<u>1,340,619</u>
Stocks:					
Basic materials	6,126,122		9,236,196		(3,110,074)
Capital goods	6,428,023		3,034,644		3,393,379
Consumer cyclical	4,582,540		4,727,295		(144,755)
Consumer staples	3,325,847		2,563,369		762,478
Energy	2,419,335		9,322,467		(6,903,132)
Financial	10,653,539		6,775,984		3,877,555
Technology	7,055,836		10,942,124		(3,886,288)
Transportation	983,945		892,173		91,772
Utilities	5,105,366		7,303,072		(2,197,706)
Diversified and miscellaneous	-		688		(688)
	<u>46,680,553</u>	57.62	<u>54,798,012</u>	62.05	<u>(8,117,459)</u>
International equities, commingled	6,730,334	8.31	9,060,404	10.26	(2,330,070)
Global bonds	-	0.00	2,016,872	2.29	(2,016,872)
Mortgages:					
Conventional	3,271,788		2,519,824		751,964
Federal Housing Administration	524,757		555,086		(30,329)
	<u>3,796,545</u>	4.69	<u>3,074,910</u>	3.48	<u>721,635</u>
Real estate:					
Real estate separate accounts, commingled	937,561		739,145		198,416
Real estate investments	2,508,892		2,167,219		341,673
Other real estate owned	107,000		99,000		8,000
	<u>3,553,453</u>	4.39	<u>3,005,364</u>	3.40	<u>548,089</u>
Alternative investments:					
Private equity	551,559		271,804		279,755
Private equity, real estate	431,908		332,430		99,478
Private equity, timberland	84,631		49,379		35,252
	<u>1,068,098</u>	1.32	<u>653,613</u>	0.74	<u>414,485</u>
Total Investments	<u>\$81,013,080</u>	<u>100.00</u>	<u>\$88,308,463</u>	<u>100.00</u>	<u>\$(7,295,383)</u>

**NOTE:** For asset allocation purposes, certain investments have been reclassified to reflect the asset underlying the investment structure.

# INVESTMENTS NYSTRS

## Investment Performance Results—June 30, 2001

The System is a long-term investor and, as such, can withstand some short-term volatility. Generally, the liabilities will not be paid for as many as 70 years. The performance and associated benchmark are shown in the following table.

	1-YR	<u>Annualized Rates of Return</u>		
		3-YR	5-YR	10-YR
<b>Domestic Equities</b>				
NYSTRS Index Fund	-13.1%	4.6%	14.0%	14.9%
NYSTRS Value Tilt	-9.6	-	-	-
Benchmark: Russell 3000*	-13.9	4.2	13.8	14.6
NYSTRS Value Index Fund	11.9	6.0	15.3	-
Benchmark: Russell 1000 Value	10.3	5.4	14.9	-
Total Active Large Cap Management	-20.4	-3.6	7.0	12.3
Benchmark: S&P 500	-14.8	3.9	14.5	15.1
Total Active Small Cap Management	-9.5	3.0	8.2	13.9
Benchmark: Russell 2000*	0.6	5.3	9.6	13.2
Total	-10.5	4.2	13.5	14.7
<b>International Equities</b>				
Total Active Management	-25.8	-2.0	3.7	7.4
Total Passive Management	-23.3	-1.0	3.1	6.7
Total Active/Passive Management	-20.0	-0.6	4.6	-
Total	-24.0	-1.5	3.4	7.2
Benchmark: MSCI EAFE	-23.6	-1.2	2.9	6.4
<b>Emerging Market Equities</b>				
	-28.9	-1.6	-	-
Benchmark: MSCI Emerging Markets Free	-26.0	1.4	-	-
<b>Real Estate</b>				
	13.5	11.0	12.9	7.6
Benchmark: Blended NCREIF/Wilshire REIT*	13.5	10.6	11.8	6.3
<b>Alternative Investments</b>				
	-10.0	13.6	19.4	-
Benchmark: S&P 500 plus 5%	-9.8	8.9	19.6	-
<b>Domestic Fixed Income</b>				
	11.1	6.3	7.8	8.4
Benchmark: Lehman Bros. Aggregate*	11.2	6.1	7.5	8.1
<b>Mortgages</b>				
	10.5	6.1	8.5	9.6
<b>Short Term</b>				
	6.1	5.8	5.6	5.1
Benchmark: iMoneyNet™ Fund Avgs/All Taxable	5.4	5.1	5.1	4.7
<b>Total Fund</b>	<b>-5.7%</b>	<b>4.7%</b>	<b>11.2%</b>	<b>12.2%</b>

\*In a dynamic market, strategies and objectives evolve over time. Consequently, these benchmarks are blended due to historical investment strategy decisions.



# NYSTRS INVESTMENTS

## Manager Investment Performance Results—June 30, 2001

The assets under management (at market), time-weighted performance results (at market) and appropriate benchmark for each manager/advisor are summarized in the following table. Returns for periods over one year are annualized.

	Assets Managed (\$ millions)	Rates of Return <sup>1</sup> from Inception		Inception Date
		Fund	Benchmark	
<i>Domestic Equities</i>				
Large Cap Value Management				
Iridian	578.1	8.4%	-1.0%	Apr-99
Large Cap Growth Management				
Alliance Capital Management	727.0	15.9	15.1	Apr-92
Lincoln Capital	354.2	-14.2	-1.0	Apr-99
Montag & Caldwell	451.6	-4.1	-1.0	Apr-99
Small Cap Management				
Progress Investment Management	563.6	13.5	10.1	Oct-96
Small Cap Growth Management				
Peregrine Capital Management	454.8	18.0	13.0	Jan-89
<i>International Equities</i>				
Passive Management				
Alliance Capital Management	919.7	4.4	4.0	Mar-94
Deutsche Asset Management	1,043.0	6.5	6.2	Jan-91
Active/Passive Management				
MSDWIM	905.7	7.4	4.1	Jul-94
Active Management				
American Express	388.9	-22.4	-14.9	Nov-00
Baille Gifford	429.7	-14.1	-14.9	Nov-00
Bank of Ireland	627.8	-2.8	-5.6	May-99
Capital Guardian	940.9	2.8	-5.6	May-99
Lazard	313.3	-3.7	-5.6	May-99
Putnam Aggressive Growth	349.8	-30.2	-14.9	Nov-00
Putnam Core	439.8	-12.3	-14.9	Nov-00
<i>Emerging Markets</i>				
Capital International	357.9	1.6	1.4	Jul-98
<i>Mortgages</i>				
BlackRock	99.2	0.3	0.5	Apr-01
Clarion	99.9	0.5	0.5	Apr-01

<sup>1</sup> Returns for periods over 1 year are annualized

# INVESTMENTS NYSTRS

## Manager Investment Performance Results—June 30, 2001 (continued)

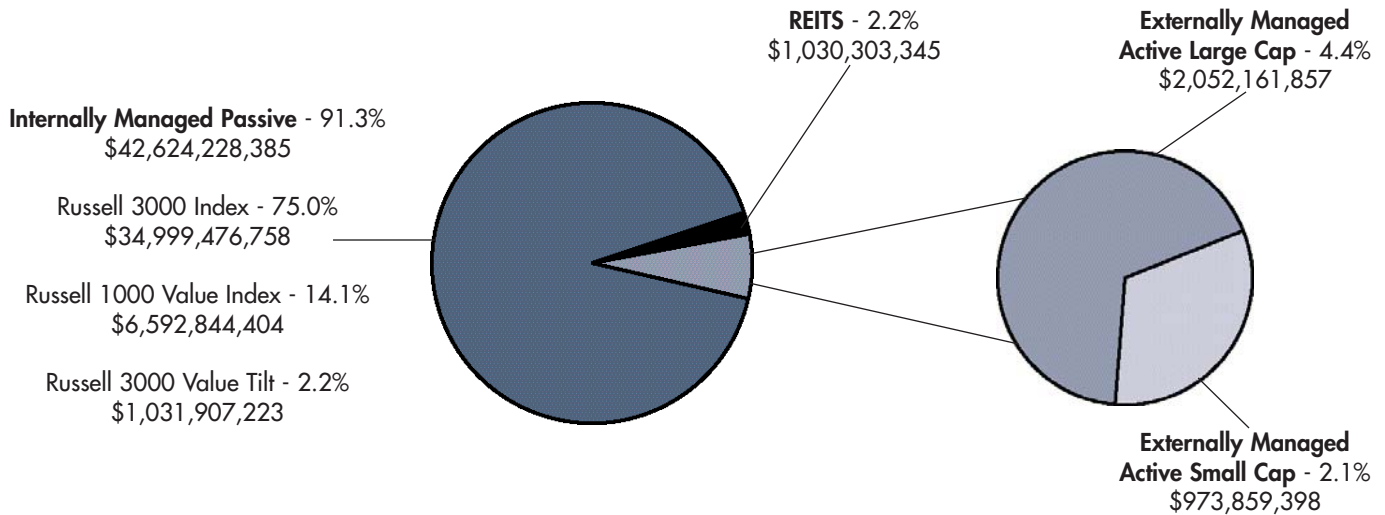
	Assets Managed (\$ millions)	Rates of Return <sup>1</sup> from Inception		Inception Date
		Fund	Benchmark	
<i>Real Estate</i>				
Private Securities				
Cornerstone Apartment Fund	4.2	0.9%	4.5%	Nov-00
Hines Interests	74.6	4.1	2.3	Jan-01
J. P. Morgan Fleming				
Donahue Schriber	119.2	7.6	7.0	Jan-97
Edens & Avant	57.2	8.1	7.8	Sep-00
Lend Lease Real Estate Investment, Inc.				
Prime Property Fund	62.1	6.9	6.9	Jul-85
Select Properties	14.0	4.8	6.5	Dec-89
Lend Lease/Schroder	19.1	6.9	10.8	Jul-93
Prudential Real Estate Investors				
PRISA	269.5	6.8	6.9	Sep-85
PRISA II	114.3	8.8	6.5	Sep-89
Strategic Value Investors	61.9	11.8	13.7	Sep-97
Rockwood Capital Partners	16.4	27.1	7.8	Sep-00
SSR Realty Advisors: Tower Fund	74.7	13.2	12.5	Dec-97
Starwood Capital Group	223.0	22.0	13.7	Jan-97
UBS Realty Investors	299.1	8.0	6.9	Sep-85
Direct Investments				
Cabot Advisors, Inc.	208.3	9.5	11.7	Nov-94
Clarion Partners	665.0	8.5	6.4	Jun-90
Invesco Realty Advisors	39.4	13.3	11.2	Dec-98
J. P. Morgan Fleming	886.5	10.9	6.8	Oct-90
Kennedy Assoc. Real Estate Counsel, Inc.	84.1	10.3	11.9	Apr-95
Lend Lease Real Estate Investments	53.1	16.7	12.1	Aug-95
Sentinel Real Estate Corporation	323.4	10.2	12.6	Mar-96
Public Securities				
Cohen & Steers Capital Management, Inc.				
Separate Account	210.7	13.5	12.1	Jun-95
Income REIT Separate Account	75.0	9.5 <sup>2</sup>	8.0	Jul-98
Lend Lease Rosen RE Securities, LLC	137.9	11.8	8.2	Aug-98
RREEF America, LLC	128.9	9.3	8.2	Aug-98
Timber: Private Securities				
Xylem Investments, Inc.	9.7	-21.8	-	Mar-98
Timber: Direct Investments				
Forest Investment Associates	74.2	-6.6	-	Dec-98
Global: Private Securities				
Hines Interests	1.1	-48.5	-	Oct-99
Lend Lease Real Estate Investments	11.6	13.4	-	May-99
Lone Star Management Company				
Lone Star II	32.6	20.9	-	Apr-99
Lone Star III	86.3	12.6	-	Oct-00
The Peabody Group	30.6	1.1	-	Jul-99

<sup>1</sup> Returns for periods over 1 year are annualized

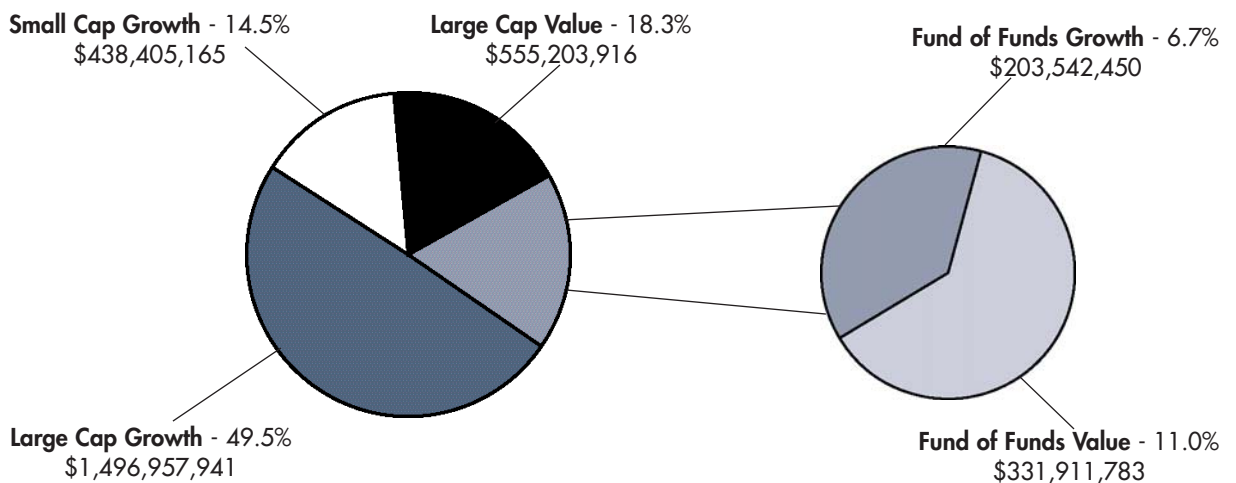
<sup>2</sup> Reflects income return only. Total return is 8.9%

# NYSTRS INVESTMENTS

## Domestic Equity Distribution—June 30, 2001 \$46,680,552,985



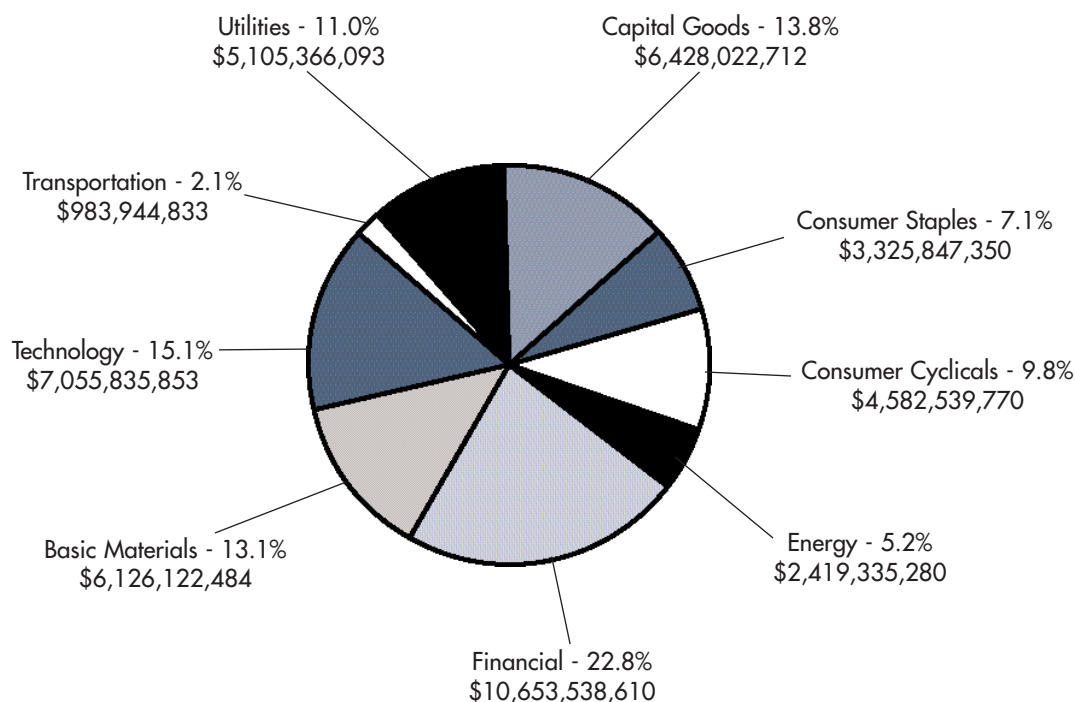
## Domestic Equity Externally Managed Style Distribution—June 30, 2001 \$3,026,021,255



# INVESTMENTS NYSTRS

## Domestic Equity Holdings by Industry Distribution—June 30, 2001

\$46,680,552,985



## Ten Largest Domestic Equity Holdings—June 30, 2001

Rank	Company	Cost	Market Value	Percent of Equities
1	General Electric	\$ 171,621,540	\$1,559,146,875	3.3%
2	Exxon Mobil	234,741,133	1,191,978,449	2.6
3	Citigroup	192,335,724	1,146,754,657	2.5
4	Microsoft	278,894,118	904,254,650	1.9
5	Pfizer	173,415,855	855,225,898	1.8
6	AOL Time Warner	175,728,337	727,912,494	1.6
7	American Int'l Group	143,121,453	714,091,736	1.5
8	IBM	142,309,112	657,855,716	1.4
9	Johnson & Johnson	232,700,350	612,728,250	1.3
10	Intel	69,266,116	599,927,562	1.3
	Total	<u>\$1,814,133,738</u>	<u>\$8,969,876,287</u>	<u>19.2%</u>

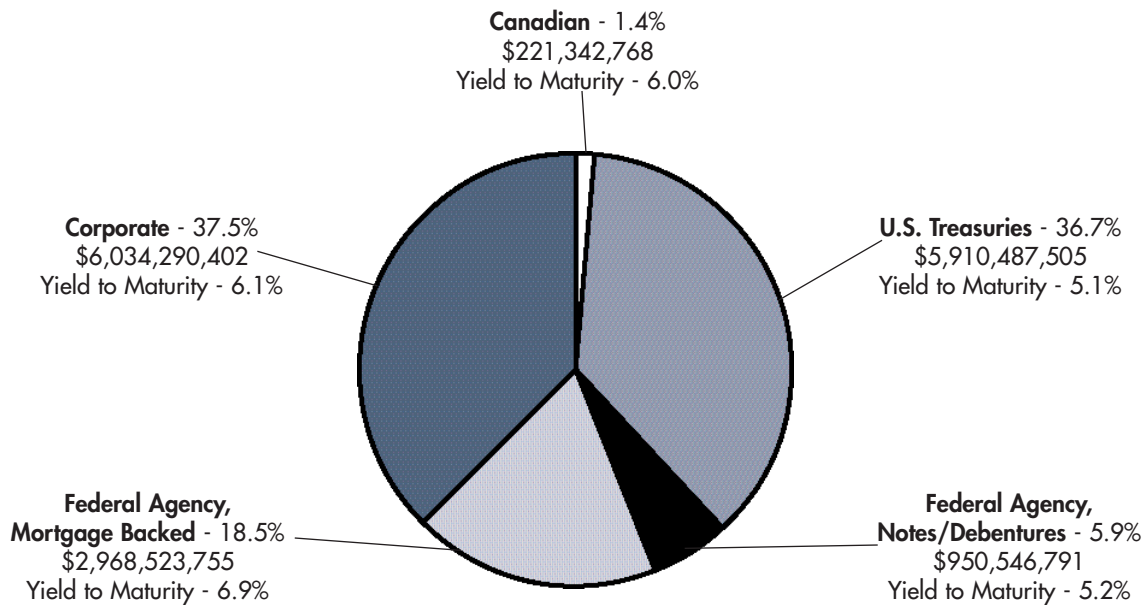
A complete list of the System's holdings is available on our Web site or through the Public Information Office.

# NYSTRS INVESTMENTS

## Domestic Fixed Income Sector Distribution—June 30, 2001

\$16,085,191,221

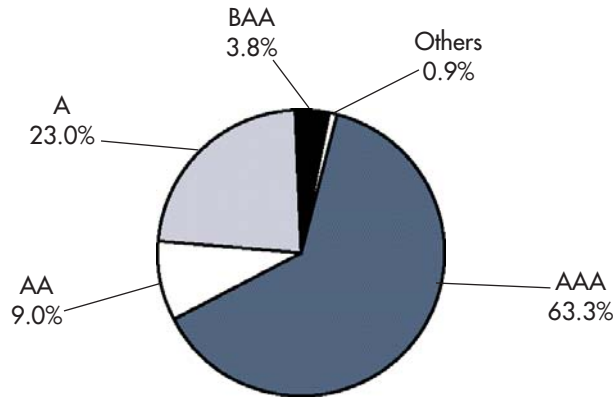
Yield to Maturity—5.8%



## Ten Largest Domestic Fixed Income Holdings—June 30, 2001

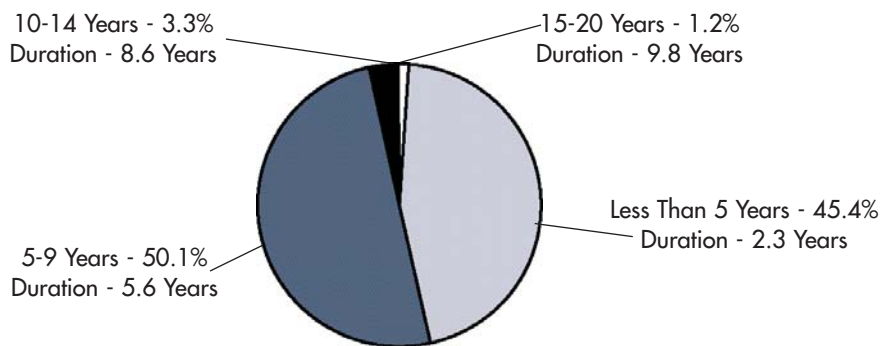
Rank Income	Issue	Market Value	Percent of Fixed Income
1	U.S. Treasury Receipts Zero Coupon Due 8/15/08	\$ 736,659,000	4.6%
2	U.S. Treasury Strips (Principal) Due 11/15/09	435,911,000	2.7
3	U.S. Treasury Bond Corpus Coupons Due 5/15/06	343,737,000	2.1
4	U.S. Treasury Bond Corpus Coupons Due 11/15/06	301,870,800	1.9
5	U.S. Treasury Coupon Strips Due 11/15/10	299,370,000	1.9
6	U.S. Treasury Bond Corpus Coupons Due 2/15/02	273,644,000	1.7
7	U.S. Treasury Bond Corpus Coupons Due 11/15/07	225,240,325	1.4
8	U.S. Treasury Strips Due 11/15/03	221,473,800	1.4
9	U.S. Treasury Strips Due 11/15/05	202,682,500	1.3
10	U.S. Treasury Strips Due 5/15/11	200,791,500	1.2
	Total	<u>\$3,241,379,925</u>	<u>20.2%</u>

## Domestic Fixed Income Quality Distribution—June 30, 2001



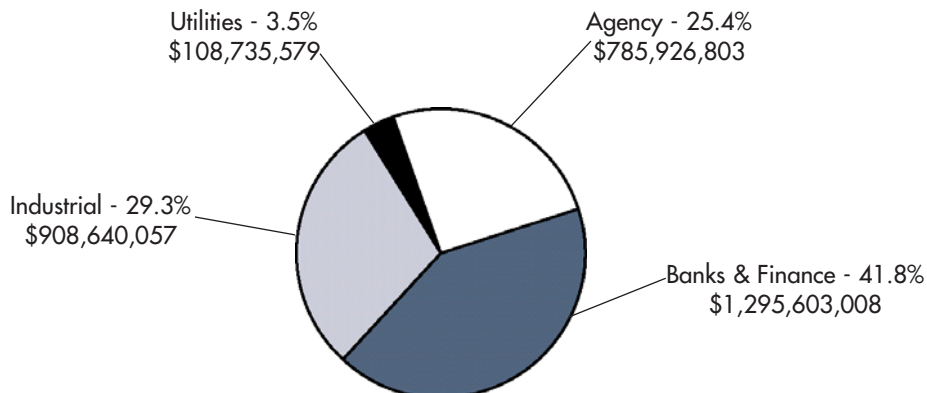
## Domestic Fixed Income Portfolio Maturities—June 30, 2001

Duration 4.3 Years



## Short-term Sector Distribution—June 30, 2001

\$3,098,905,447



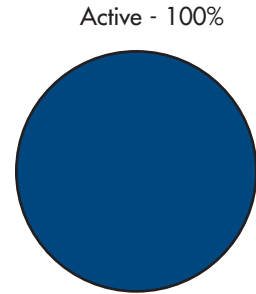
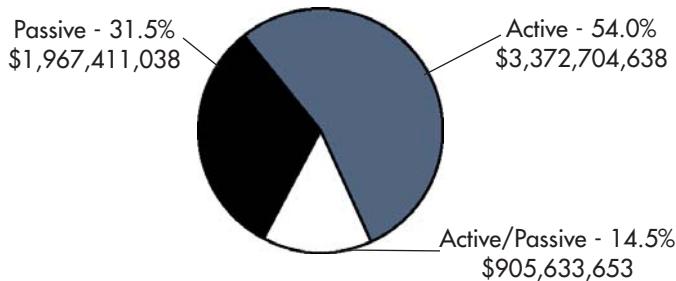


# NYSTRS INVESTMENTS

## International Equity Style Distribution—June 30, 2001 \$6,730,333,328

*Developed Countries*  
\$6,245,749,329

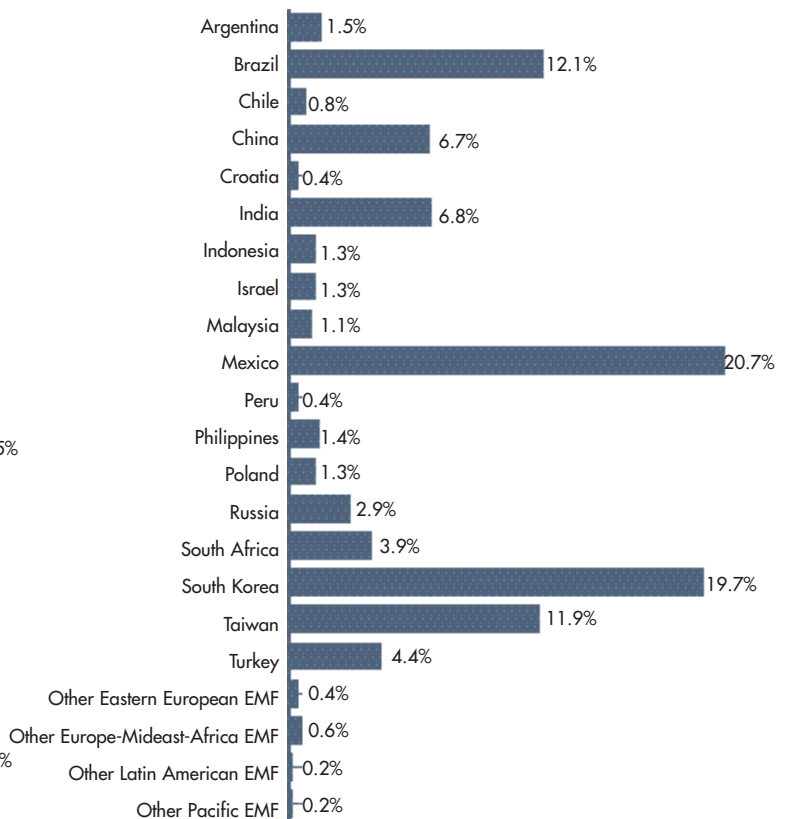
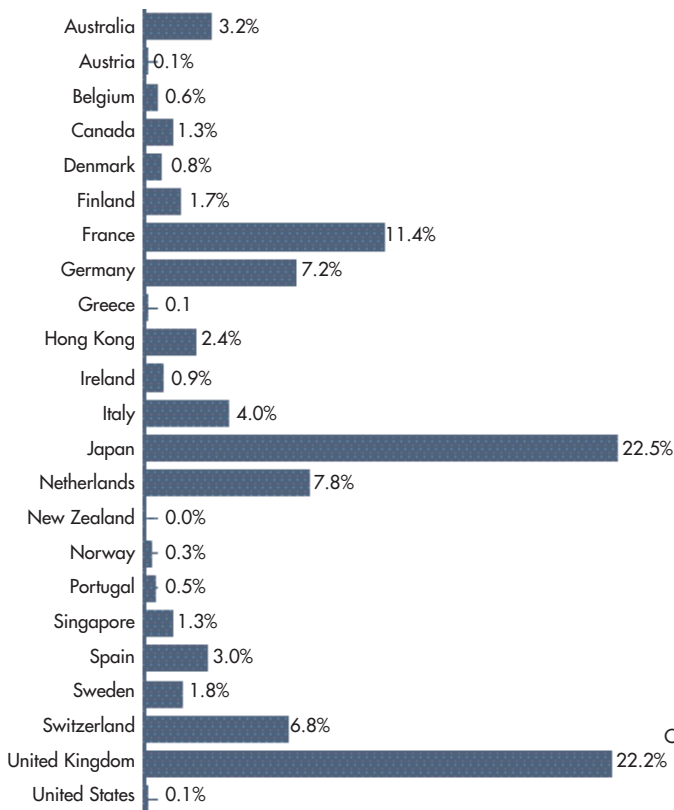
*Emerging Markets*  
\$484,583,999



## International Equity Exposure—June 30, 2001

*Developed Countries*  
\$6,245,749,329

*Emerging Markets*  
\$484,583,999



# INVESTMENTS NYSTRS

## Ten Largest Real Estate Equity Holdings—June 30, 2001

### Five Largest Equity Investments

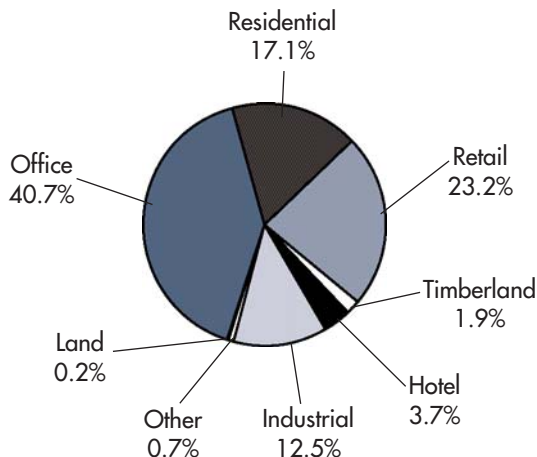
Rank	Property Name	Ownership	Market Value NYSTRS' Portion Only	Percent of Equity R.E.
1	525 Market Street, San Francisco, CA	100.0%	\$ 337,749,000	13.4%
2	Corporate Woods, Overland Park, KS	100.0%	228,725,822	9.1
3	Merritt 7 Corporate Park, Norwalk, CT	92.5%	219,815,212	8.8
4	Lynnhaven Mall, Virginia Beach, VA	100.0%	198,911,129	7.9
5	NED (Simon) Portfolio, various locations	25.8%	175,081,313	7.0
	Total		<u>\$1,160,282,476</u>	<u>46.2%</u>

### Five Largest Commingled Fund Investments

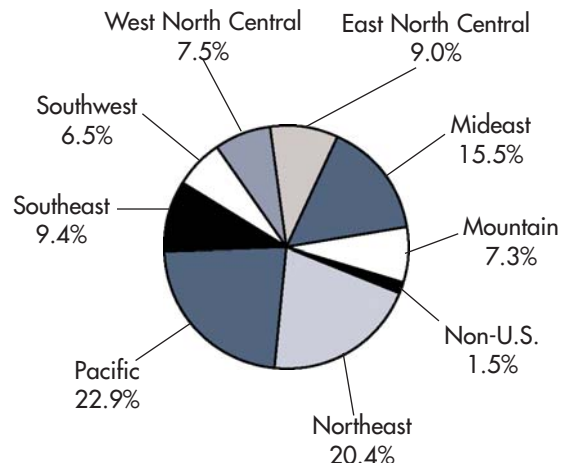
Rank	Fund Name	Market Value	Percent of Commingled R.E.
1	UBS Asset Management - RESA	\$299,101,231	20.5%
2	Prudential PRISA	269,529,593	18.4
3	Starwood Opportunity Fund IV	223,033,425	15.3
4	Prudential PRISA II	114,297,982	7.8
5	SSR Realty Advisors Tower Fund	74,708,683	5.1
	Total	<u>\$980,670,914</u>	<u>67.1%</u>

## Distribution Charts for Real Estate Equity (including Commingled Fund Investments)

Property Type



Geographic Region

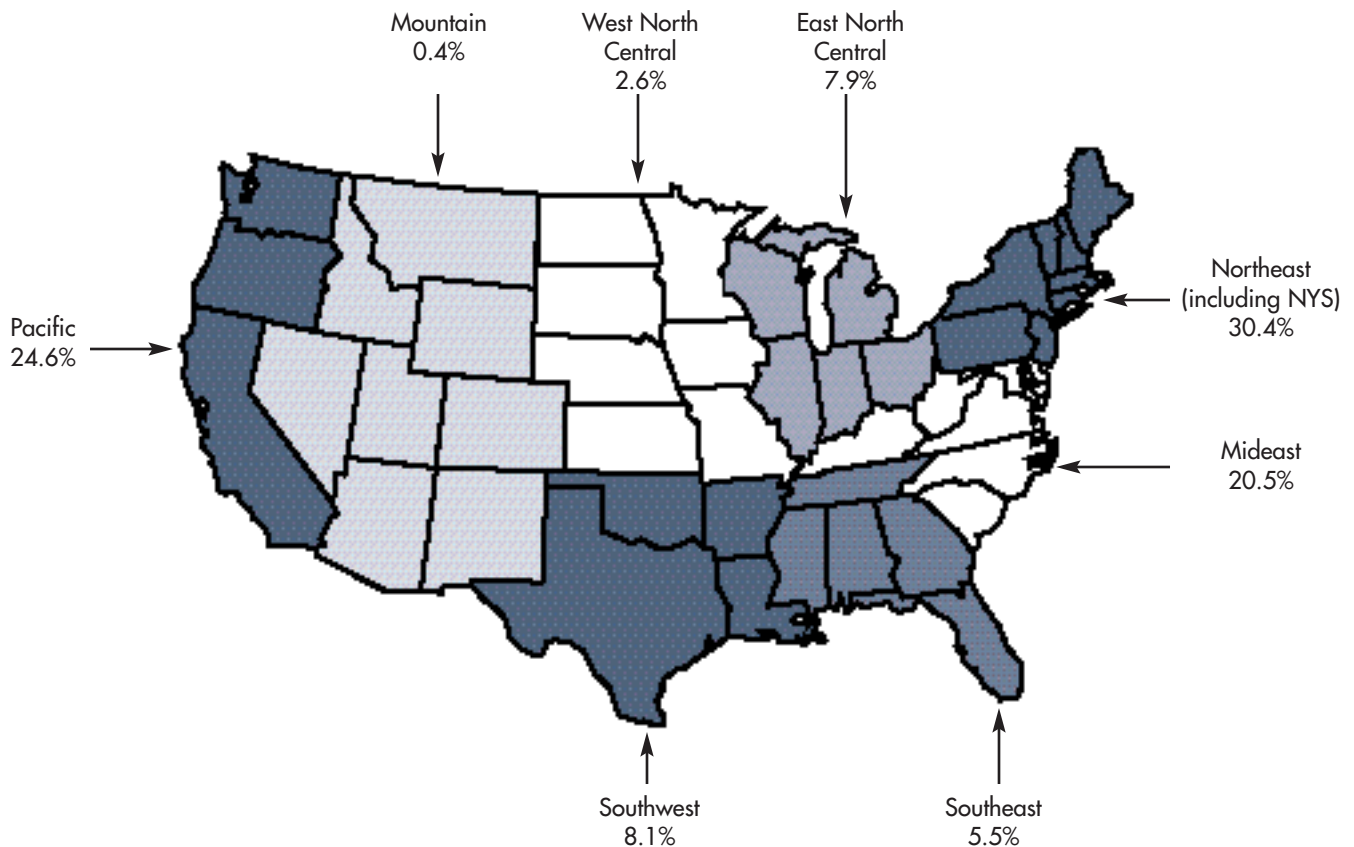


# NYSTRS INVESTMENTS

## Ten Largest Mortgage Balances—June 30, 2001

Rank	Property Name	Mortgage Balance	Percent of Mortgages
1	South Coast Plaza, Costa Mesa, CA	\$ 179,322,061	4.8%
2	Garden State Parkway, Paramus, NJ	130,010,000	3.5
3	1001 Pennsylvania Avenue, Washington, DC	130,000,000	3.5
4	Fifty Fremont Center, San Francisco, CA	130,000,000	3.5
5	Chase Tower, Houston, TX	125,000,000	3.3
6	Park Avenue Plaza, New York, NY	117,360,838	3.1
7	Tysons Corner Center, McLean, VA	107,790,063	2.9
8	First Federal Square and Wilshire Landmark II, Los Angeles, CA	98,460,000	2.6
9	101 California Street, San Francisco, CA	92,000,000	2.5
10	Pillsbury Center, Minneapolis, MN	90,955,939	2.3
	Total	<u>\$1,200,898,901</u>	<u>32.0%</u>

## Geographic Distribution of the Mortgage Portfolio

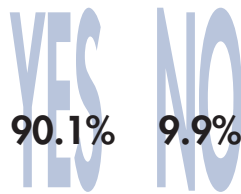


## Corporate Governance

Shareholder responsibility is fundamental to good corporate governance, which recognizes an appropriate balance between the rights of shareholders (the owners of the corporation) and the need for management and the board to direct the corporation's affairs with a long-term perspective. The System's shareholder voting rights must be managed with the same care as any of its other assets. Therefore, the Retirement Board has established a formal proxy voting policy reflecting three objectives: to protect the System's rights; to promote responsible corporate policies and activities; and to enhance long-term value.

The System's proxy activity remained high during 2000-2001. Over 5,100 proposals were voted, representing more than 1,800 different companies in the System's equity portfolio. Many of the proxies focused on mergers, common stock or option related issues, and executive compensation. System policies generally support management if the position is reasonable, is not detrimental to the long-term economic prospects of the company and does not tend to diminish the rights of shareholders.

### Management Proposals (4,738)

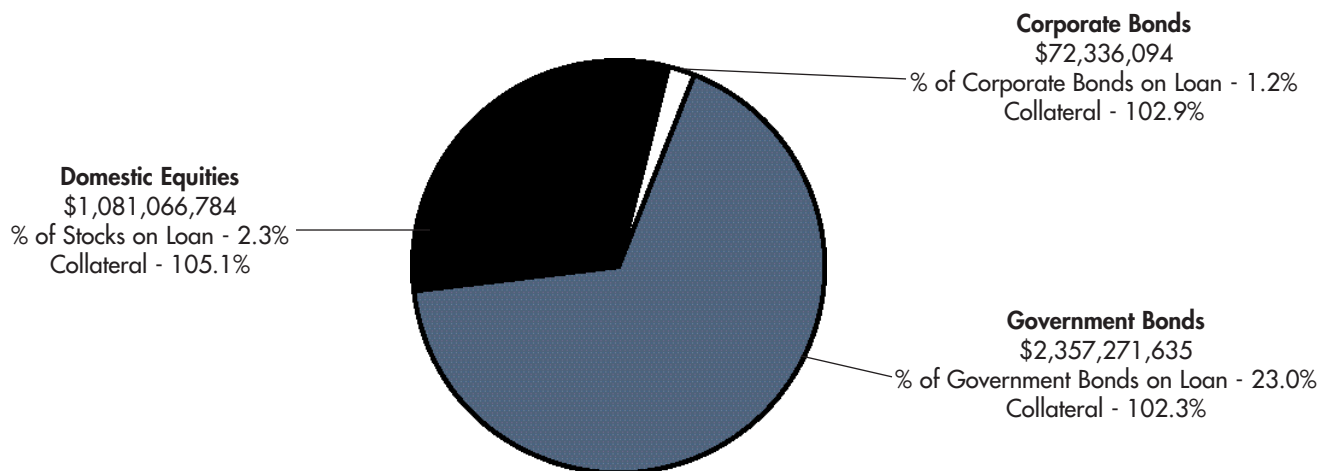


### Shareholder Proposals (375)



## Securities Lending Program—June 30, 2001

Value on Loan - \$3,510,674,513



# NYSTRS INVESTMENTS

## Investment Advisory Committee

**DAVID L. BRIGHAM**, *Chairman*  
*Trustee*  
Church Pension Fund  
New York, New York

**DANIEL J. BUKOWSKI**  
*Head of Equity Quantitative Analysis*  
Citibank, N.A.  
Stamford, Connecticut

**FRED S. FRAENKEL**  
*Former COO*  
Furman Selz LLC  
Short Hills, New Jersey

**LEONADE D. JONES**  
*Director, six equity mutual funds within  
The American Funds Group*  
American Funds Group  
Burlingame, California

**ROBERT G. WADE, JR.**  
*Director (Retired)*  
Chancellor LGT Asset Management  
New York, New York

**CAROL A. ZIPKIN**  
*Executive Vice President (Retired)*  
Alliance Capital Management L.P.  
New York, New York

## External Investment Managers

### DOMESTIC EQUITIES:

#### Active Large Cap

Alliance Capital Management, L.P. (Growth)  
Iridian Asset Management LLC (Value)  
Lincoln Capital Management LLC (Growth)  
Montag & Caldwell, Inc. (Growth)

#### Active Small Cap

Dresdner RCM Global Investors, LLC (Growth) (terminated 4/01)  
Peregrine Capital Management Co. (Growth)  
Progress Investment Management Co. (Funds of Funds)

### INTERNATIONAL EQUITIES:

#### Active

American Express Trust Co.  
Baillie Gifford Funds  
Bank of Ireland Asset Management  
Baring Asset Management, Inc. (terminated 9/00)  
Brinson Partners, Inc. (terminated 9/00)  
Capital Guardian Trust Co.  
Lazard Asset Management  
Putnam Fiduciary Trust Co.

#### Passive

Alliance Capital Management L.P.  
Deutsche Asset Management

#### Active/Passive

Baring Asset Management, Inc. (terminated 9/00)  
Brinson Partners, Inc. (terminated 9/00)  
Morgan Stanley Investment Management

### SECURITIES LENDING:

Bankers Trust Company  
(terminated 4/01)  
State Street Bank & Trust Co.

### GLOBAL FIXED INCOME:

Fiduciary Trust Co. International (terminated 8/00)  
Lombard Odier International Portfolio Mgt. Limited (terminated 9/00)  
Wellington Management Co. (terminated 10/00)

### INTERNATIONAL EMERGING MARKETS:

Capital International, Inc.  
Schroder Investment Management North America Inc.  
(terminated 4/01)

### PRIVATE EQUITY—LIMITED PARTNERSHIPS:

Apollo Real Estate Investment Fund IV  
Chisholm Partners II  
Chisholm Partners III  
Chisholm Partners IV  
Clayton Dubilier & Rice VI  
Compass Partners International  
Corporate Venture Partnership  
DLJ Merchant Banking Partners III  
Excelsior II  
HarbourVest International Private Equity Partners IV  
HarbourVest Partners VI  
Hellman & Friedman Capital Partners III, L.P.  
Hellman & Friedman Capital Partners IV, L.P.

Horsley Bridge Fund VII  
JP Morgan Venture Capital II  
Madison Dearborn Capital Partners IV  
Mesirow Capital VI  
Mesirow Capital VII  
Navis Partners V  
New York State Business Venture (liquidated 3/01)  
Technology Crossover Ventures TCV IV  
Texas Pacific Group TPG III  
T. H. Lee Equity Partners V  
VantagePoint NY Venture Partners  
VantagePoint Venture Partners IV  
Welsh, Carson, Anderson & Stone IX

## Real Estate Advisory Committee

**GLEN COVERDALE**, *Chairman*  
*Senior Executive Vice President (Retired)*  
Metropolitan Life Insurance Company  
New York, New York

**PAUL J. DOLINOY**  
*President (Retired)*  
Lend Lease Real Estate Investments (U.S.)  
Atlanta, Georgia

**BLAKE EAGLE**  
*Chief Executive Officer*  
National Council of Real Estate Investment Fiduciaries  
Chicago, Illinois

**MAUREEN A. EHRENBERG**  
*National President of Management Services*  
Grubb & Ellis Management Services, Inc.  
Northbrook, Illinois

**THOMAS P. MAHONEY**  
*Managing Director (Retired)*  
CIGNA Investments  
Hartford, Connecticut

**BRIAN K. REED**  
*Consultant*  
Dallas, Texas

**DAVID SIMON**  
*Chief Executive Officer*  
Simon Property Group  
Indianapolis, Indiana

## Real Estate Advisors

### EQUITY:

Cabot Advisors, Inc.  
Clarion Partners  
Forest Investment Associates  
Invesco Realty Advisors  
Jones Lang LaSalle  
J. P. Morgan Fleming Asset Management  
Kennedy Associates Real Estate Council, Inc.  
L & B Realty Advisors, Inc.  
Lend Lease Real Estate Investment, Inc.  
Sentinel Real Estate Corporation

### COMMINGLED:

Cornerstone Real Estate Advisers  
Hines Interests  
Lend Lease Real Estate Investments, Inc.  
Lone Star Management Company  
The Peabody Group  
Prudential Real Estate Investors  
Rockwood Capital Corporation  
SSR Realty Advisors  
Starwood Capital Group LLC  
UBS Asset Management  
Westbrook Partners LLC  
Xylem Investments, Inc.

### REITS:

Cohen & Steers Capital Management, Inc.  
Lend Lease Rosen Real Estate Securities, LLC  
RREEF America, LLC

## Investment Consultants

Callan Associates  
San Francisco, California

EAI-Evaluation Associates  
Norwalk, Connecticut

Elkins/McSherry Co., Inc  
New York, New York

Russell Real Estate Advisors, Inc.  
San Diego, California

Sovereign Financial Services, Inc.  
Denver, Colorado

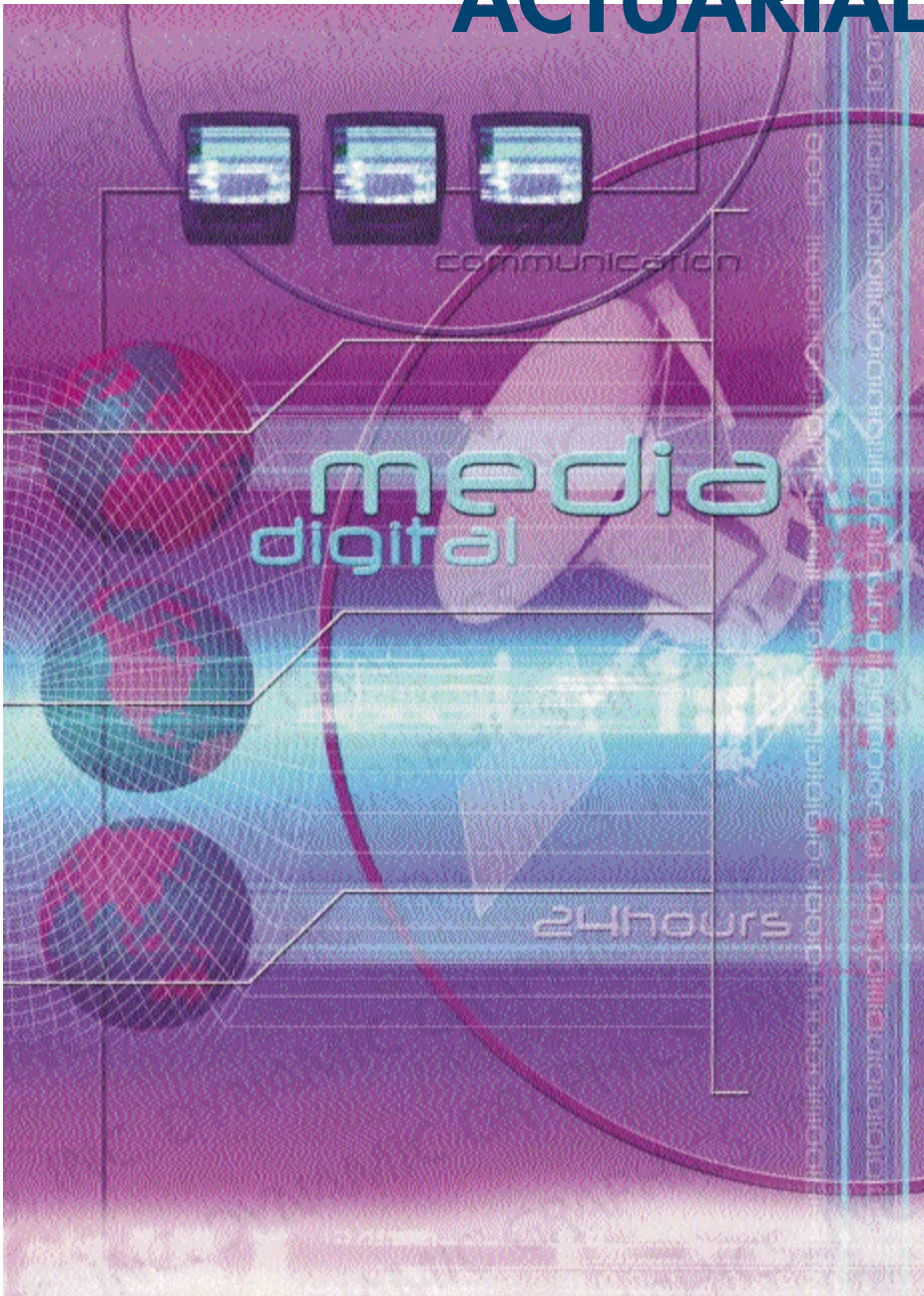


“Due to the asset  
gains achieved

*in the last several years,  
[benefit improvements  
enacted during the  
2000 Legislative Session]  
required no increase  
in the employer  
contribution rate.”*

Lawrence A. Johansen  
Actuary

# ACTUARIAL NYSTRS



## Actuarial Certification Letter



### New York State Teachers' Retirement System

10 Corporate Woods Drive  
Albany, New York 12211-2395  
(800) 356-3128 or 447-2666 (Albany-area calls)  
Web Site: [www.nystrs.org](http://www.nystrs.org)

**George M. Philip, Executive Director**

***Office of the Actuary***

*(518) 447-2611*

Board of Trustees  
New York State Teachers' Retirement System  
10 Corporate Woods Drive  
Albany, New York 12211-2395

August 24, 2001

Dear Trustees of the Teachers' Retirement Board:

The financial objective of the New York State Teachers' Retirement System is to properly fund the retirement and ancillary benefits of members in order to ensure sufficient assets are on hand to pay benefits as they become due. Employer contributions are made by participating employers in accordance with the actuarially determined employer contribution rate. This rate, determined by an actuarial valuation made each June 30, is intended to remain approximately level over time.

The most recent actuarial valuation was made as of June 30, 2000. This valuation relies on member data provided by the participating employers to the Retirement System's administrative staff. The administrative and actuarial staff review this data for reasonability as well as reconcile it against prior data. In addition, this data is reviewed by the Retirement System's independent auditors as part of the annual audit.

Actuarial assumptions, as adopted by the Retirement Board, are reviewed each year against experience on both an annual and quinquennial basis and changes are recommended when warranted. The actuarial funding method is the Aggregate Cost Method and is specified in statute. Actuarial gains and losses are not separately amortized but are spread over the average future working lifetime of active members and included in the annual normal rate calculation. A summary of the actuarial methods and assumptions used in the actuarial valuation is included later in this section.

The significant benefit improvements enacted during the 2000 Legislative Session, i.e. the permanent COLA, the Article 19 benefit enhancement, the decrease in the Article 15 early retirement reductions, modification of the death benefit, and bills to provide service credit for prior governmental service and military service were incorporated in the June 30, 1999 actuarial valuation and were not deferred to the June 30, 2000 actuarial valuation, as would normally be the case. Due to the asset gains achieved in the last several years, these benefit improvements required no increase in the employer contribution rate. No additional benefit improvements have been enacted.

The June 30, 2000 actuarial valuation was the first one to utilize the revised actuarial assumptions adopted by the Retirement Board on October 25, 2000. The plan's funded ratio as of June 30, 2000 was 124.1%. Various exhibits in this section provide further information on the actuarial assumptions and the funding level.

All actuarial calculations have been prepared in accordance with Government Accounting Standards Board Statement No. 25 and generally accepted actuarial principles, procedures, and standards of practice as prescribed by the Actuarial Standards Board. All schedules in the Actuarial and Statistical sections and the Required Supplementary Information in the Financial section were prepared under my direction. I meet the qualification standards of the American Academy of Actuaries.

Respectfully submitted,

A handwritten signature in black ink that reads "Lawrence A. Johansen".

Lawrence A. Johansen, M.A.A.A., E.A., A.S.A., F.C.A., M.S.P.A.  
Actuary

cc: G. Philip

## Summary of Actuarial Methods and Assumptions—June 30, 2000

### Methods

Actuarial funding method:	Aggregate Cost Method (gains and losses are smoothed over the average future working lifetime of active members) All benefits are included in the actuarial valuation. See “Summary of Benefits” in Introduction
Actuarial asset valuation method:	Five-year smoothing for equities, real estate, global bonds, and alternative investments

### Assumptions

(Selected sample rates)  
(Adoption dates in parenthesis)      Assumptions are computed by the Actuary and adopted by the Retirement Board. They are based upon recent NYSTRS member experience.

<u>Economic:</u>		<u>Salary Scale:</u>		(10/00)
Valuation Rate of Interest:	(5/90)	<u>Age</u>	<u>Female</u>	<u>Male</u>
8.0% compounded annually. The valuation rate of interest and the salary scale each contain a 3.0% assumed annual rate of inflation.		25	11.08%	11.53%
		35	6.70	7.00
		45	5.94	5.16
		55	4.99	4.38

<u>Demographic:</u>		Withdrawal: (Ten-year ultimate rates)	(10/00)	
Mortality: (Deaths per 10,000 lives)		(Withdrawals per 10,000 lives)		
Active Members	(10/00)	<u>Age</u>	<u>Female</u>	<u>Male</u>
<u>Age</u>	<u>Female</u>	<u>Age</u>	<u>Female</u>	<u>Male</u>
30	3	35	260	76
40	3	40	159	84
50	8	45	105	83
60	13	50	129	69

Retired Members and Beneficiaries	(10/00)	Service Retirement:	(10/00)	
<u>Age</u>	<u>Female</u>	<u>Age</u>	<u>Female</u>	<u>Male</u>
20	3	Tier 1 & Tiers 2-4	Tiers 2-4 less than	
40	10	age 62 or with 30	age 62 & less than	
60	55	years of service	30 years of service	
80	359			
		<u>Age</u>	<u>Female</u>	<u>Male</u>
		55	26.31%	27.74%
		60	22.06	27.14
		65	33.31	42.86
		70	28.70	28.83

Disabled Members	(10/00)	Disability Retirement:	(10/00)	
<u>Age</u>	<u>Female</u>	<u>Age</u>	<u>Female</u>	<u>Male</u>
30	356	35	0.01%	0.01%
40	461	40	0.03	0.03
60	291	45	0.06	0.07
80	624	50	0.13	0.18

# NYSTRS ACTUARIAL

## The Actuary's Valuation Balance Sheet—June 30, 2000 (in thousands)

Since the liabilities of a retirement system consist largely of obligations on account of benefits which have not yet matured, an annual statement of its receipts and disbursements or of its income and expenditures is not sufficient to indicate its true financial position. These statements give a clear picture of the current transactions of a retirement system and show what the present assets are, but since these present assets are held for the payment of future benefits coming due over a longer period of time, we have no basis for judging the financial solvency of the System unless we determine by actuarial valuation what these future benefits are likely to amount to and whether the present assets, together with the prospective assets, will be sufficient to cover their costs.

The following balance sheet furnishes this comparison. It presents the results of the annual actuarial valuation of the present and prospective assets and liabilities of the Retirement System, which was prepared by the Actuary as of June 30, 2000.

### Assets

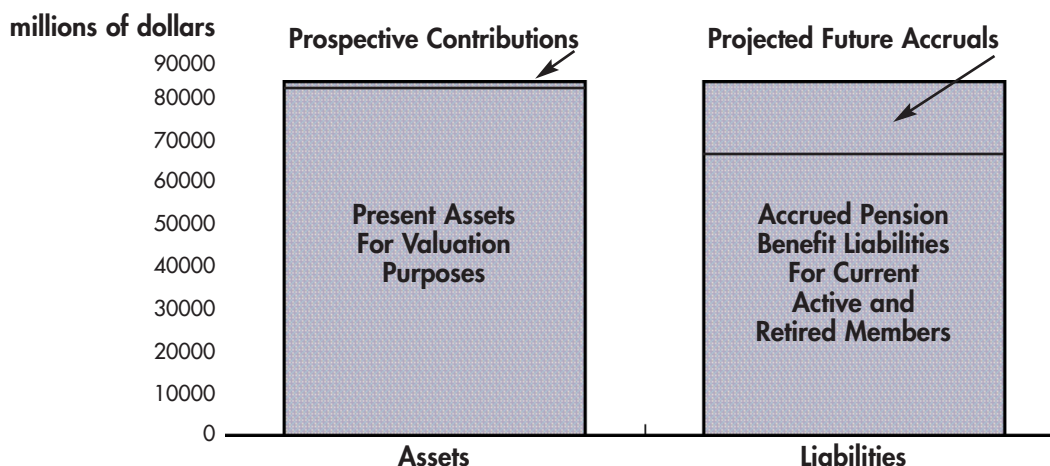
Present Assets of System for Valuation Purposes*	\$83,421,843
Present Value of Prospective Contributions to Pension Accumulation Fund:	
from Employer Contributions	593,935
from Member Contributions	588,590
Total Assets	<u>\$84,604,368</u>

### Liabilities

Present Value of Future Benefits to:	
Retired Members and Beneficiaries	\$25,452,001
Active Members	42,273,346
Member Contributions Accumulated to Date	
in the Annuity Savings Fund	102,790
Benefits Due and Unpaid	8,323
Contingency Reserve	<u>16,767,908</u>
Total Liabilities	<u>\$84,604,368</u>

\*Differs from the assets presented in the Retirement System's financial statements primarily because the actuarial value of assets is not at market value.

## Comparison of Assets and Liabilities—June 30, 2000





## Funding Progress

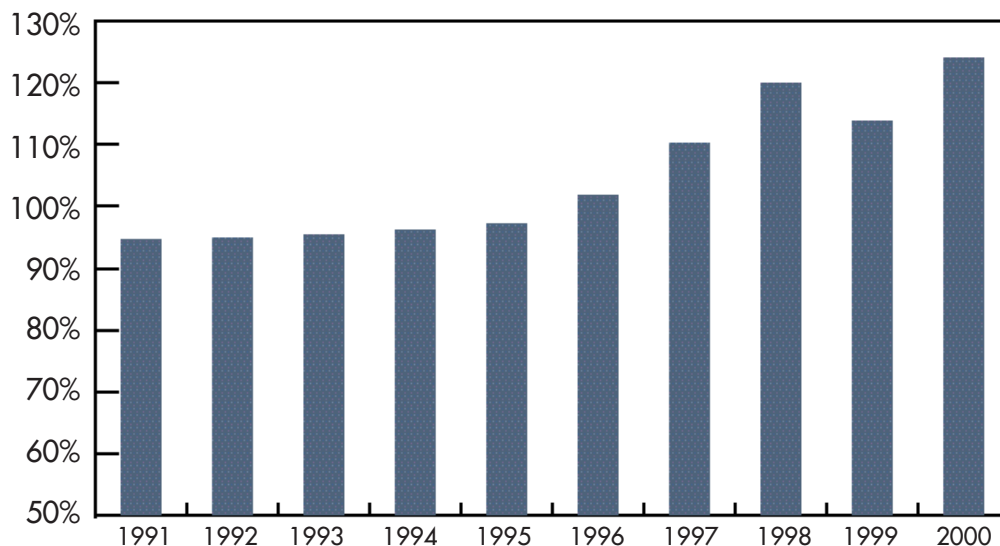
The Actuary's Valuation Balance Sheet provides a point-in-time comparison, as determined by actuarial valuation, between the present value of projected future benefits and the present assets as well as prospective contributions. In order to effectively assess the funding progress of a retirement system, it is necessary to compare the actuarial value of assets and the accrued pension benefit liabilities calculated in a manner consistent with the retirement system's funding method over a period of time.

NYSTRS' funding method has allowed the accumulation of assets sufficient for the funding of its liabilities in a systematic and reasonable manner.

### Analysis of Funding Progress in Conformity with the Retirement System's Funding Method (in millions)

Fiscal Year	Actuarial Value of Assets	Accrued Pension Benefit Liability	Percentage Funded
1991	31,577.3	33,336.9	94.7
1992	32,432.3	34,158.3	94.9
1993	35,527.1	37,230.3	95.4
1994	38,464.9	40,004.1	96.2
1995	42,984.8	44,258.2	97.1
1996	48,865.4	47,995.8	101.8
1997	56,085.3	50,868.0	110.3
1998	64,778.9	53,961.5	120.0
1999	74,721.1	65,636.7	113.8
2000	83,421.8	67,201.9	124.1

### Percent Funded Measured in Conformity with the Retirement System's Funding Method





# NYSTRS ACTUARIAL

## History of Member Payroll and the Employer Contribution Rate

Fiscal Year Ending June 30	Active Members	Annual Member Payroll (in millions)	Percent Increase In Annual Member Payroll	Average Full-Time Member Salary	Employer Contribution Rate (percent of payroll)
1992	192,373	\$ 7,193.7	3.1%	\$46,285	6.64%
1993	192,891	7,517.9	4.5%	48,114	8.00%
1994	195,691	7,909.5	5.2%	49,748	8.41%
1995	199,398	8,326.1	5.3%	51,228	7.24%
1996	200,918	8,516.0	2.3%	52,033	6.37%
1997	203,716	8,757.9	2.8%	52,806	3.57%
1998	209,080	9,163.8	4.6%	53,872	1.25%
1999	216,267	9,594.2	4.7%	54,537	1.42%
2000	224,986	10,093.3	5.2%	55,368	1.43%
2001	234,350	10,401.0	3.0%	N/A	0.43%

## Schedule of Retired Members and Beneficiaries Added to and Removed from the Benefit Payroll\*

Fiscal Year	Number of Retired Members and Beneficiaries		Annual Benefit of Retired Members and Beneficiaries		Total Number of Retired Members and Beneficiaries	Total Annual Benefit	Percentage Increase in Total Annual Benefit	Average Annual Benefit
	Added During the Year	Removed During the Year	Added During the Year	Removed During the Year				
1992	6,695	2,119	\$189,075,427	\$19,357,583	76,144	\$1,123,644,892	17.79%	\$14,757
1993	5,319	2,195	161,078,000	21,586,331	79,268	1,263,136,561	12.41%	15,935
1994	3,479	2,376	100,365,598	24,776,260	80,371	1,338,725,899	5.98%	16,657
1995	4,553	2,465	141,184,322	25,892,977	82,459	1,454,017,244	8.61%	17,633
1996	6,583	2,560	222,494,364	28,505,982	86,482	1,648,005,626	13.34%	19,056
1997	6,792	2,616	237,240,633	30,836,628	90,658	1,854,409,631	12.52%	20,455
1998	5,639	3,060	197,797,798	34,161,201	93,237	2,018,046,228	8.82%	21,644
1999	6,431	2,880	222,771,500	36,765,358	96,788	2,204,052,370	9.22%	22,772
2000	7,006	2,955	251,950,709	40,469,929	100,839	2,415,533,150	9.60%	23,954
2001	8,301	3,017	340,592,973	40,275,962	106,123	2,715,850,161	12.43%	25,592

\*Computed on the maximum annual benefit.

## Independent Actuarial Review



515 Broadway  
Albany, NY 12207

August 10, 2001

The Retirement Board  
New York State Teachers' Retirement System

The New York State Teachers' Retirement System (Retirement System), as part of the independent financial statement audit, has requested that KPMG LLP examine the actuarial assumptions, methods and procedures used by the Retirement System's Actuary to calculate the employer contributions for the plan. My examination consisted of the following procedures:

- A review of the actuarial assumptions, methods and procedures stated in the Retirement System's Actuarial Valuation Report as of June 30, 1999, and the resultant employer contribution rate of 0.43% applied to the payroll for the fiscal year ended June 30, 2001.
- A review of the methodology used to estimate the payroll as of June 30, 2001, and the employer and employee contributions receivable as of June 30, 2001.
- A review of the Retirement System's Experience Studies as of June 30, 1999 and 2000, and the opinions of the Actuary presented thereon, to ascertain whether the actuarial assumptions are reasonable and appropriate.

In performing my review I compared the methods and procedures utilized by the Retirement System's Actuary with Actuarial Standard of Practice No. 4 (Measuring Pension Obligations) as adopted by the American Academy of Actuaries. In addition, I compared the determination of employer contributions for the year ended June 30, 2001, with the requirements of Statement No. 25 of the Governmental Accounting Standards Board.

In my opinion, the methods, procedures and actuarial assumptions used by the Retirement System have been developed with appropriate oversight and judgment by the Retirement System's Actuary and comply with generally accepted actuarial principles and practices as set forth in Actuarial Standard of Practice No. 4. In addition, it is my opinion that the employer contributions were determined in accordance with Statement No. 25 of the Governmental Accounting Standards Board.

This report is intended solely for the use of the New York State Teachers' Retirement System and should not be used for any other purpose.

Sincerely,  
KPMG LLP

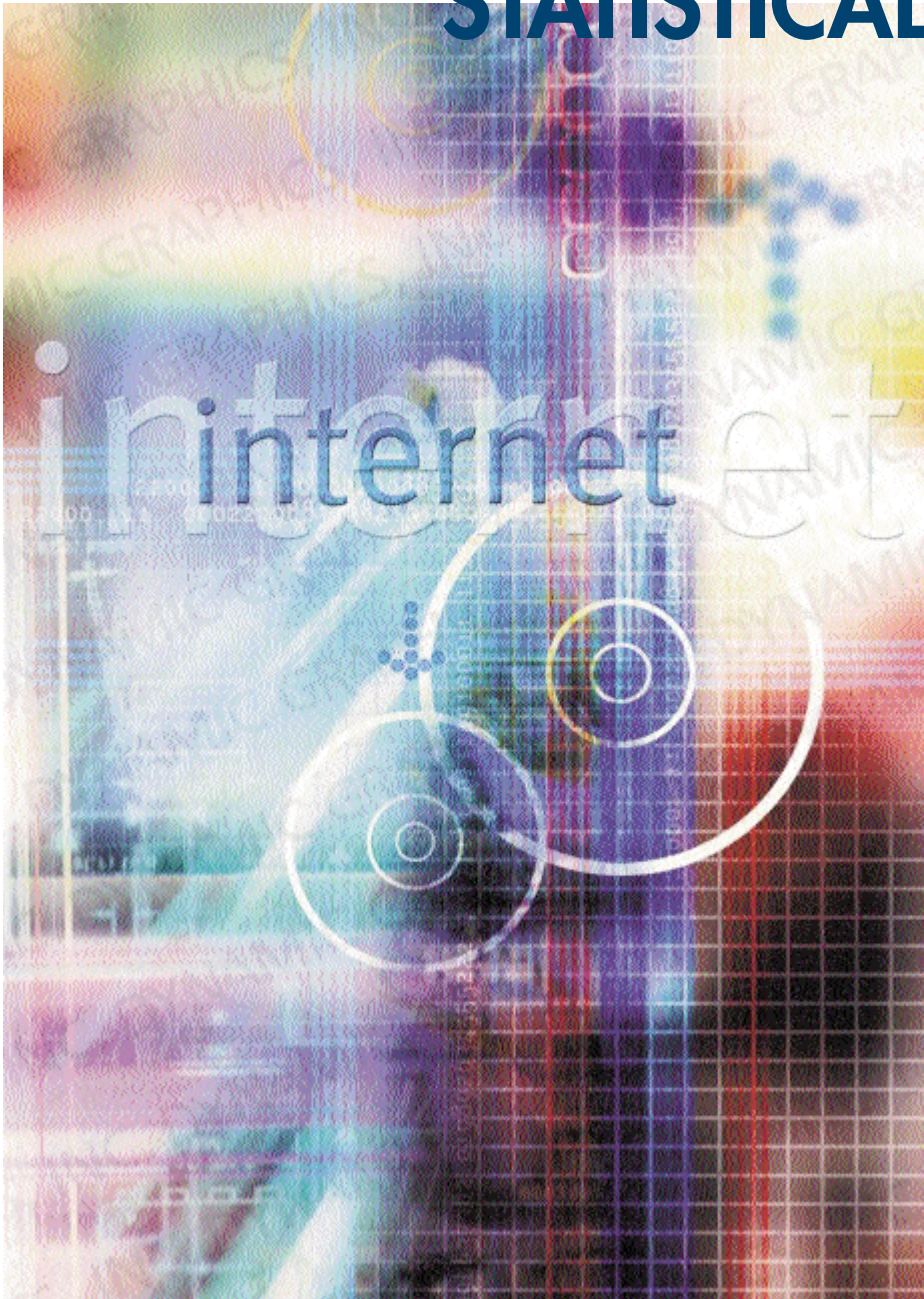
Thomas Toher  
Fellow, Society of Actuaries  
Enrolled Actuary



# It was a record year

*for STRS as the  
number of new  
members and  
retirees brought  
total membership  
to 340,473.*

# STATISTICAL ANALYSTRS



# NYSTRS STATISTICAL

## Active Members

	Men	Women	Total
July 1, 2000	60,531	164,455	224,986
Changes During Year:			
Added .....	4,951	15,147	20,098
Withdrawn .....	663	1,973	2,636
Retired .....	3,093	4,853	7,946
Died .....	74	78	152
Total Membership July 1, 2001 .....	61,652	172,698	234,350

## Members Retired for:

	Service			Vesting			Disability			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
July 1, 2000 .....	34,918	54,577	89,495	2,303	3,157	5,460	595	1,222	1,817	37,816	58,956	96,772
Changes During Year:												
Retired .....	2,824	4,458	7,282	224	272	496	45	123	168*	3,093	4,853	7,946
Died .....	832	1,677	2,509	36	33	69	47	75	122	915	1,785	2,700
Lump Sum .....	24	38	62	3	1	4	0	0	0	27	39	66
Restored to Active Membership .....	0	0	0	0	0	0	1	2	3	1	2	3
July 1, 2001 .....	36,886	57,320	94,206	2,488	3,395	5,883	592	1,268	1,860**	39,966	61,983	101,949

## Beneficiaries of Deceased:

	Service Annuitants			Disability Annuitants			Active Members			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
July 1, 2000 .....	634	2,748	3,382	62	162	224	76	385	461	772	3,295	4,067
Changes During Year:												
Added .....	88	254	342	5	8	13	0	0	0	93	262	355
Died .....	54	167	221	0	7	7	4	16	20	58	190	248
July 1, 2001 .....	668	2,835	3,503	67	163	230	72	369	441	807	3,367	4,174

## Summary

	Men	Women	Total
Active Members .....	61,652	172,698	234,350
Retired Members .....	39,966	61,983	101,949
Beneficiaries .....	807	3,367	4,174
Total .....	102,425	238,048	340,473

\*Includes 10 males and 5 females retired for disability who receive a service benefit.

\*\*Includes 58 males and 69 females retired for disability who receive a service benefit.



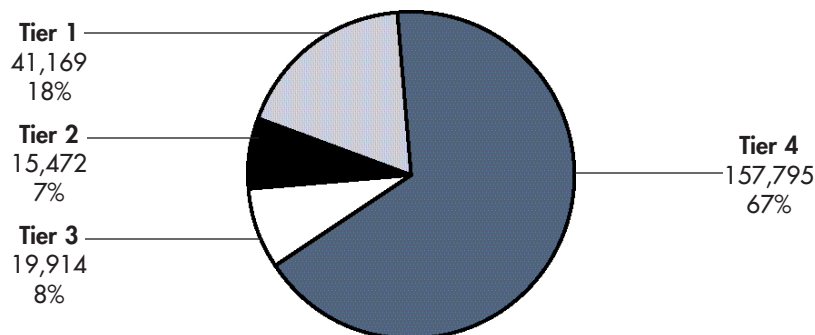
## Members and Annuitants 1922-2001

As of June 30	Members	Retirees	As of June 30	Members	Retirees
1922	–	1,296	1965	129,543	16,043
1925	29,057	1,815	1970	186,914	22,700
1930	39,663	2,732	1975	227,038	35,252
1935	45,031	3,919	1980	203,330	46,812
1940	48,193	4,771	1985	178,516	57,366
1945	52,359	5,637	1990	195,194	69,127
1950	56,504	6,374	1995	199,398	82,459
1955	71,273	7,897	2000	224,986	100,839
1960	99,555	10,796	2001	234,350	106,123

## Number of Active Members by Tier

As of June 30	Tier 1	Tier 2	Tier 3	Tier 4	Total
1982	123,610	29,909	37,306	–	190,825
1983	117,611	26,494	40,481	–	184,586
1984	111,989	23,983	38,836	5,453	180,261
1985	106,602	22,082	36,705	13,127	178,516
1986	101,060	20,736	34,691	22,761	179,248
1987	96,334	19,878	32,906	33,137	182,255
1988	92,858	19,809	32,095	43,171	187,933
1989	88,984	19,092	30,720	52,957	191,753
1990	85,103	18,590	29,422	62,079	195,194
1991	81,010	18,224	28,348	67,723	195,305
1992	74,872	17,801	27,495	72,205	192,373
1993	70,180	17,448	26,788	78,475	192,891
1994	67,423	17,212	26,121	84,935	195,691
1995	64,093	17,012	25,206	93,087	199,398
1996	58,850	16,596	24,546	100,926	200,918
1997	53,502	16,186	23,861	110,167	203,716
1998	49,266	15,860	23,302	120,652	209,080
1999	50,859	15,776	20,726	128,906	216,267
2000	47,234	15,700	20,159	141,893	224,986
2001	41,169	15,472	19,914	157,795	234,350

## Number of Active Members by Tier of Membership—June 30, 2001



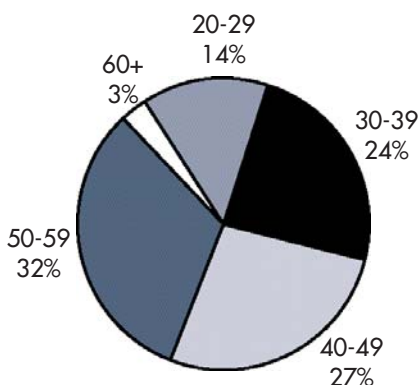
# NYSTRS STATISTICAL

## Distribution of Active Members by Age and Years of Service\* — June 30, 2000

AGE		YEARS					O F
		0-5	6-10	11-15	16-20	21-25	
20-24	Number of Members	5,242	0	0	0	0	0
	Average Salary	\$31,513	\$0	\$0	\$0	\$0	\$0
25-29	Number of Members	24,537	1,437	0	0	0	0
	Average Salary	\$37,630	\$43,900	\$0	\$0	\$0	\$0
30-34	Number of Members	16,973	10,275	1,193	0	0	0
	Average Salary	\$40,436	\$46,887	\$50,912	\$0	\$0	\$0
35-39	Number of Members	9,646	6,276	7,845	856	0	0
	Average Salary	\$38,265	\$48,189	\$54,045	\$57,435	\$0	\$0
40-44	Number of Members	8,923	4,434	5,754	5,402	926	
	Average Salary	\$35,972	\$45,940	\$55,668	\$60,804	\$64,526	
45-49	Number of Members	8,472	5,149	6,297	5,080	7,929	
	Average Salary	\$37,192	\$45,548	\$54,065	\$62,364	\$66,818	
50-54	Number of Members	5,258	4,187	6,980	5,360	6,201	
	Average Salary	\$39,693	\$44,903	\$54,024	\$61,711	\$68,019	
55-59	Number of Members	2,204	1,283	2,430	2,706	2,885	
	Average Salary	\$40,369	\$44,277	\$52,372	\$60,113	\$67,640	
60-64	Number of Members	811	372	589	791	985	
	Average Salary	\$38,491	\$43,410	\$51,607	\$59,249	\$65,552	
65-69	Number of Members	274	113	118	185	159	
	Average Salary	\$30,884	\$39,755	\$50,548	\$60,233	\$64,193	
70+	Number of Members	158	43	48	46	37	
	Average Salary	\$28,542	\$29,544	\$43,852	\$57,533	\$62,275	
<b>Total</b>	<b>Number of Members</b>	<b>82,498</b>	<b>33,569</b>	<b>31,254</b>	<b>20,426</b>	<b>19,122</b>	
	<b>Average Salary</b>	<b>\$37,865</b>	<b>\$46,274</b>	<b>\$54,036</b>	<b>\$61,102</b>	<b>\$67,107</b>	

\*Average salary data is for the 173,708 members who earned a full year of service.

## Distribution of Active Members by Age—June 30, 2000



## Averages—June 30, 2000

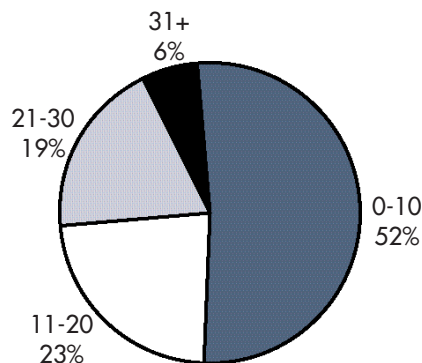
	<u>Age</u>	<u>Years of Service</u>
Female	43	12
Male	44	15



# STATISTICAL NYSTRS

SERVICE						Total
26-30	31-35	36-40	41-45	46-50	51-55	
0	0	0	0	0	0	5,242
\$0	\$0	\$0	\$0	\$0	\$0	\$31,513
0	0	0	0	0	0	25,974
\$0	\$0	\$0	\$0	\$0	\$0	\$38,090
0	0	0	0	0	0	28,441
\$0	\$0	\$0	\$0	\$0	\$0	\$43,846
0	0	0	0	0	0	24,623
\$0	\$0	\$0	\$0	\$0	\$0	\$48,139
0	0	0	0	0	0	25,439
\$0	\$0	\$0	\$0	\$0	\$0	\$50,941
2,852	0	0	0	0	0	35,779
\$71,725	\$0	\$0	\$0	\$0	\$0	\$56,818
16,155	5,017	0	0	0	0	49,158
\$74,036	\$79,233	\$0	\$0	\$0	\$0	\$66,316
3,677	6,724	629	0	0	0	22,538
\$74,693	\$79,118	\$82,816	\$0	\$0	\$0	\$69,008
958	735	672	51	0	0	5,964
\$74,233	\$79,834	\$83,747	\$87,404	\$0	\$0	\$67,800
173	131	107	76	4	0	1,340
\$73,964	\$76,729	\$87,471	\$84,495	\$88,619	\$0	\$66,879
37	38	26	23	22	10	488
\$75,268	\$76,158	\$87,005	\$81,000	\$86,872	\$86,574	\$66,876
23,852	12,645	1,434	150	26	10	224,986
\$73,867	\$79,172	\$83,669	\$85,001	\$87,141	\$86,574	\$55,368

Distribution of Active Members by Service—June 30, 2000



# NYSTRS STATISTICAL

## 2000-2001 Members Retired for:

	Service	Disability	Vesting
Number Retired	7,297	153	496
Age at Retirement:			
Average.....	57 yrs., 11 mos.	51 yrs., 2 mos.	55 yrs., 4 mos.
Median.....	56 yrs., 8 mos.	51 yrs., 11 mos.	55 yrs., 0 mos.
Years of Service:			
Average.....	30 yrs., 8 mos.	20 yrs., 2 mos.	14 yrs., 1 mo.
Median.....	34 yrs., 0 mos.	18 yrs., 6 mos.	12 yrs., 7 mos.
*Benefit:			
Average.....	\$44,681.40	\$22,098.37	\$ 6,723.75
Median.....	\$46,945.20	\$18,962.16	\$ 3,541.80
Final Average Salary:			
Average.....	\$69,780.89	\$55,935.53	\$26,519.25
Median.....	\$70,362.04	\$55,015.03	\$21,897.33
**Benefit as % of FAS:			
Average.....	60.47%	37.95%	21.27%
Median.....	67.33%	33.33%	16.61%

## 2000-2001 Members Retired for Service with:

	Less Than 20 Yrs. N.Y.	Between 20 Yrs. N.Y. and 35 Yrs. Total	35 Yrs. Total or More
Number Retired	876	3,495	2,926
Age at Retirement:			
Average.....	60 yrs., 1 mo.	57 yrs., 8 mos.	57 yrs., 6 mos.
Median.....	59 yrs., 1 mo.	56 yrs., 2 mos.	56 yrs., 8 mos.
Years of Service:			
Average.....	12 yrs., 8 mos.	30 yrs., 0 mos.	37 yrs., 2 mos.
Median.....	13 yrs., 3 mos.	31 yrs., 1 mo.	36 yrs., 8 mos.
*Benefit:			
Average.....	\$ 8,188.34	\$42,224.44	\$58,541.61
Median.....	\$ 5,968.32	\$42,111.72	\$56,329.56
Final Average Salary:			
Average.....	\$37,190.79	\$70,304.26	\$78,912.73
Median.....	\$34,073.45	\$69,734.33	\$76,260.69
**Benefit as % of FAS:			
Average.....	19.91%	59.18%	74.15%
Median.....	19.18%	62.00%	73.33%

\*The maximum, even though the member may have chosen an option.

\*\*The average and median of individual benefits as percentages of final average salary.

# STATISTICAL NYSTRS

## All Retirees—June 30, 2001 Retired for:

	Service	Disability	Vesting
Number Retired	94,333	1,733	5,883
Age at Retirement:			
Average.....	58 yrs., 9 mos.	48 yrs., 5 mos.	55 yrs., 10 mos.
Median.....	57 yrs., 10 mos.	49 yrs., 3 mos.	55 yrs., 0 mos.
Years of Service:			
Average.....	28 yrs., 1 mo.	19 yrs., 2 mos.	14 yrs., 8 mos.
Median.....	29 yrs., 6 mos.	19 yrs., 0 mos.	14 yrs., 0 mos.
*Benefit:			
Average.....	\$27,470.45	\$14,038.34	\$ 5,475.24
Median.....	\$24,905.40	\$12,129.96	\$ 3,598.68
Final Average Salary:			
Average.....	\$46,872.44	\$37,138.17	\$20,357.39
Median.....	\$45,765.73	\$34,674.52	\$18,346.33
**Benefit as % of FAS:			
Average.....	54.74%	36.52%	24.32%
Median.....	58.23%	34.16%	21.00%

## All Retirees—June 30, 2001 Retired for Service with:

	Less Than 20 Yrs. N.Y.	Between 20 Yrs. N.Y. and 35 Yrs. Total	35 Yrs. Total or More
Number Retired	14,339	62,636	17,358
Age at Retirement:			
Average.....	59 yrs., 9 mos.	58 yrs., 3 mos.	60 yrs., 0 mos.
Median.....	59 yrs., 0 mos.	56 yrs., 11 mos.	59 yrs., 9 mos.
Years of Service:			
Average.....	15 yrs., 2 mos.	28 yrs., 4 mos.	37 yrs., 4 mos.
Median.....	15 yrs., 6 mos.	29 yrs., 2 mos.	36 yrs., 8 mos.
*Benefit:			
Average.....	\$ 6,799.70	\$27,980.74	\$42,704.66
Median.....	\$ 5,583.24	\$26,184.60	\$44,258.16
Final Average Salary:			
Average.....	\$26,700.00	\$48,473.12	\$57,760.36
Median.....	\$22,419.69	\$47,806.23	\$59,942.68
**Benefit as % of FAS:			
Average.....	24.79%	56.38%	73.58%
Median.....	24.46%	57.79%	73.40%

\*The maximum, even though the member may have chosen an option.

\*\*The average and median of individual benefits as percentages of final average salary.

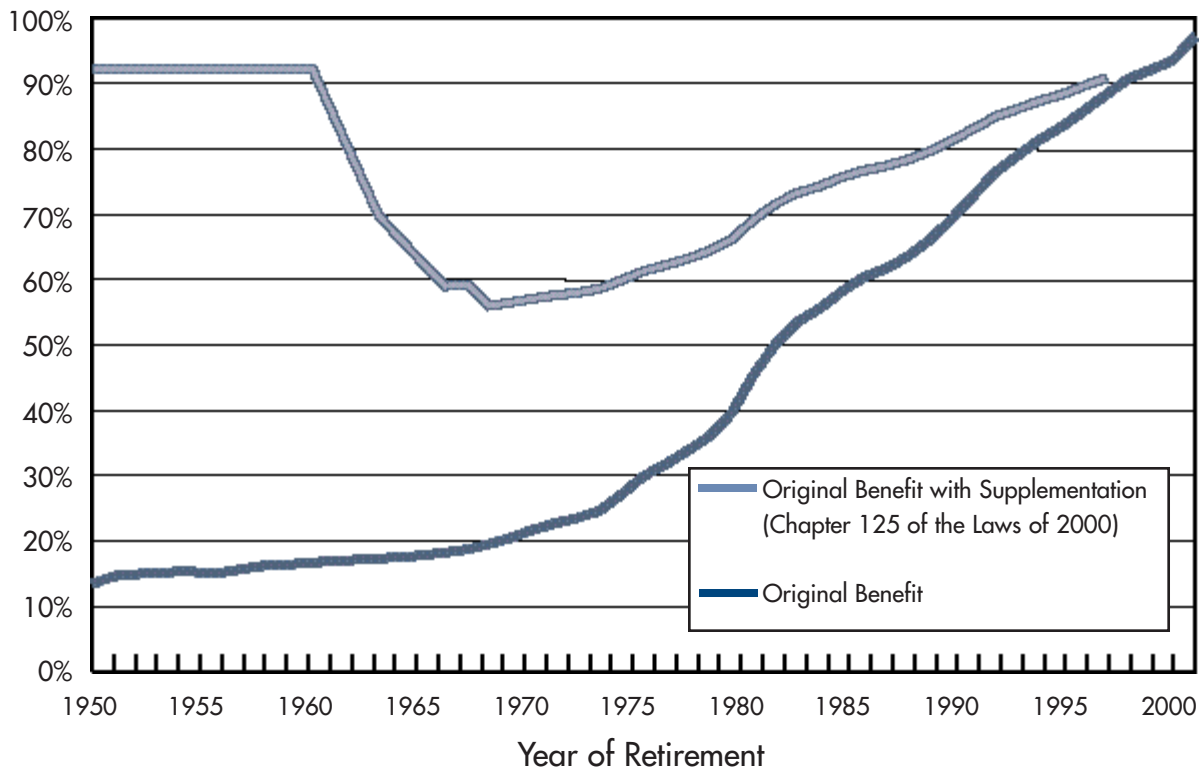
## Tier Reinstatement Chapter 640 of the Laws of 1998 Applications Completed—June 30, 2001

FROM	TO	<u>Tier 1</u>	<u>Tier 2</u>	<u>Tier 3</u>	<u>Tier 4</u>	<u>Total</u>
Tier 1:		288				288
Tier 2:		582	12			594
Tier 3:		2,487	62	18		2,567
Tier 4:		5,664	1,129	320	185	7,298
Total*		9,021	1,203	338	185	10,747

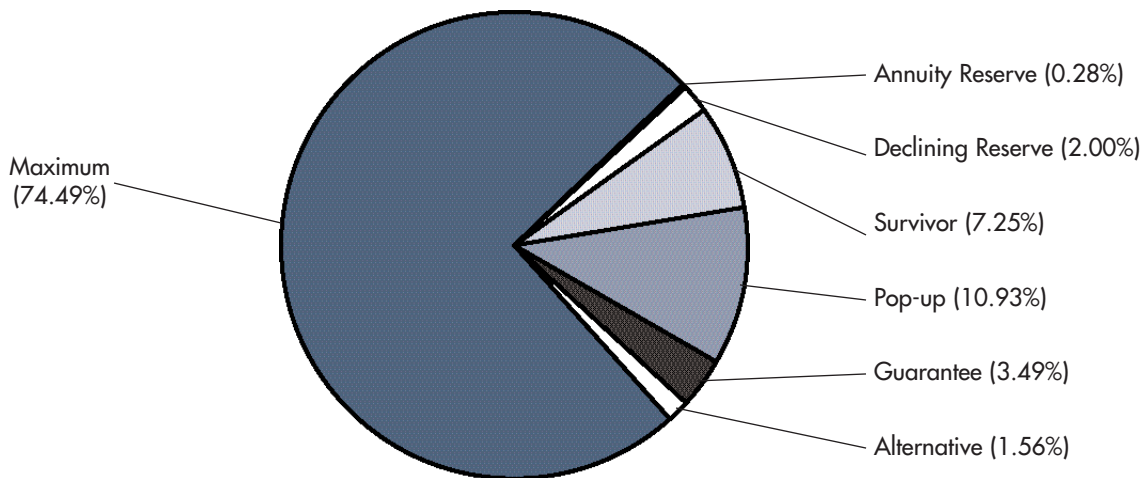
\*An additional 2,487 applications were received by June 30, 2001 and these members are in the process of having their date of membership revised. The appropriate employers have been notified to stop member contributions where applicable.

## Retired Members—Remaining Purchasing Power Through 2001

Inflation annually erodes the purchasing power of our retired members' benefits. The chart below illustrates the percentage of purchasing power remaining of the original benefit, and the original benefit plus supplementation including the cost-of-living adjustment, payable beginning September 2001 in accordance with Chapter 125 of the Laws of 2000.



## Retirement Benefit Options and Percent of Election 1997-2001 Retirees

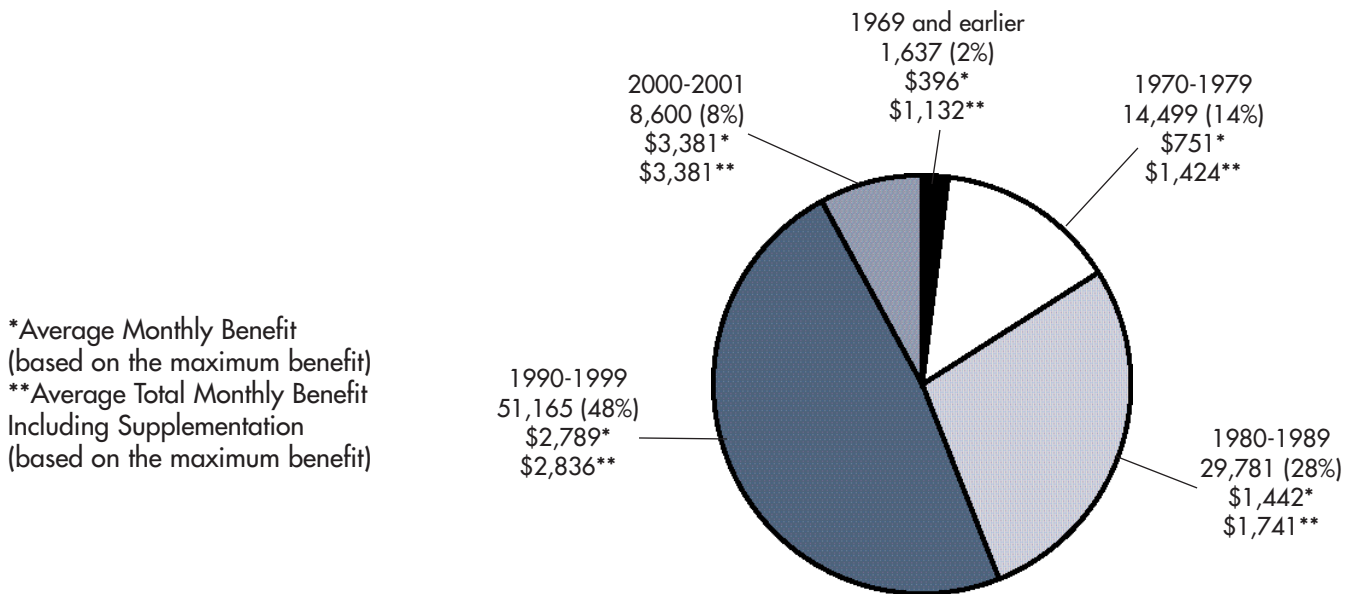


## Retired Members' Characteristics\* by Year of Retirement

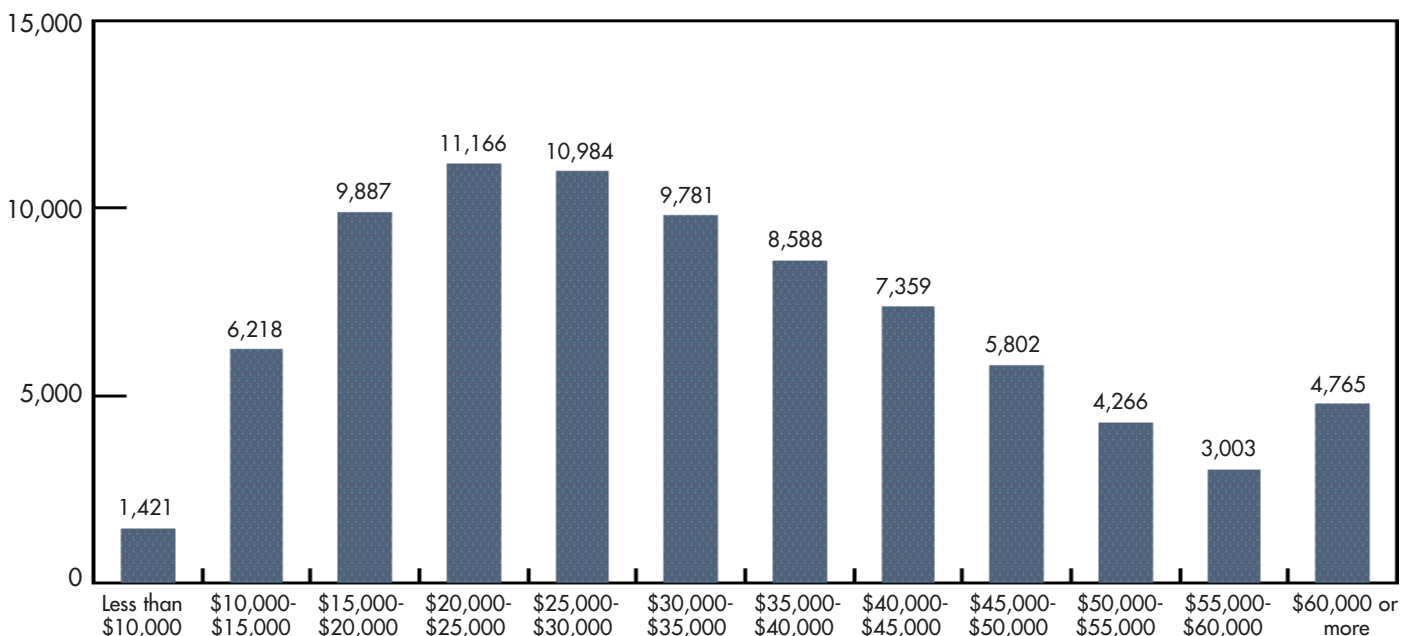
Retired in Fiscal Year Ending	Number of Retired Members	Average Age at Retirement (yrs.-mos.)	Average Service at Retirement (yrs.-mos.)	Average Final Average Salary	Average Maximum Annual Benefit
1992	6,401	59-5	29-5	\$50,183	\$30,383
1993	5,049	59-4	29-2	54,399	32,619
1994	3,171	58-10	27-7	56,047	32,151
1995	4,226	59-2	28-3	58,660	34,351
1996	6,267	59-1	29-5	61,226	37,151
1997	6,452	58-5	29-8	63,854	38,688
1998	5,303	58-1	29-6	65,351	39,254
1999	6,111	58-0	28-8	65,499	38,882
2000	6,658	58-1	28-3	67,458	39,739
2001	7,946	57-11	30-8	69,781	44,681

\*Averages are for service retirees only.

## Number of Retired Members and Monthly Benefits by Decade of Retirement—June 30, 2001



## Distribution of the Annual Benefit\* of All Retired Members with 20 or More Years of Total Service—June 30, 2001



\*Maximum Annual Retirement Benefit Including Supplementation

## Distribution of Monthly COLA Payments Commencing September 2001

Monthly COLA Payment	Number of Retired Members and Beneficiaries
\$22.50	46,021
\$20.50 - \$22.49	3,171
\$18.50 - \$20.49	3,115
\$16.50 - \$18.49	3,024
\$14.50 - \$16.49	2,676
\$12.50 - \$14.49	2,156
\$10.50 - \$12.49	4,240
\$8.50 - \$10.49	1,892
\$6.50 - \$8.49	1,812
\$4.50 - \$6.49	1,933
\$2.50 - \$4.49	2,290
Less than \$2.50	1,532
\$0 (currently ineligible)	<u>32,261</u>
<b>Total</b>	<b>106,123</b>

Commencing September	Fiscal Year Ending March 31 CPI	Applicable COLA Percentage	Maximum Annual Base Benefit Amount	Maximum Monthly COLA Increase	Average Monthly COLA Increase
2001	2.9%	1.5%	\$18,000	\$22.50	\$18.80

## Distribution of Retired Members and Beneficiaries by Tier—June 30, 2001

	<u>Tier 1</u>	<u>Tier 2</u>	<u>Tier 3</u>	<u>Tier 4</u>	<u>Total</u>
<b><u>Members Retired for:</u></b>					
Service	86,685	3,265	2,565 (285)*	1,691	94,206
Vesting	5,644	146	79 (9)*	14	5,883
Disability	1,362	156	193 (34)*	149	1,860
<b><u>Beneficiaries of Deceased:</u></b>					
Service Annuitants	3,390	75	28 (4)*	10	3,503
Disability Annuitants	180	21	22 (4)*	7	230
Active Members	439	2	0 (0)*	0	441
<b>Total</b>	<b>97,700</b>	<b>3,665</b>	<b>2,887 (336)*</b>	<b>1,871</b>	<b>106,123</b>

\*Those receiving an Article 14 (Tier 3) benefit. The remainder are receiving an Article 15 (Tier 4) benefit. Tier 3 members receive the better of the two benefits.



# NYSTRS STATISTICAL

## Revenues By Source (dollars in thousands)

Fiscal Year	Net Investment Income*	Employer Contributions	Employer Contributions To Finance Administrative Expenses	Member Contributions	Net Transfers	Total Revenues
1996	\$ 8,506,803	\$642,333	\$16,667	\$133,916	\$24,052	\$ 9,323,771
1997	11,955,970	421,781	17,048	146,518	4,105	12,545,422
1998	13,534,138	191,659	17,533	162,265	25,446	13,931,041
1999	10,437,150	212,590	18,336	171,886	8,382	10,848,344
2000	5,840,710	192,296	19,203	186,751	43,247	6,282,207
2001	(4,946,207)	132,516	20,202	128,019	29,023	(4,636,447)

\*Includes the net appreciation (depreciation) in fair value of investments.

## Expenses By Type (dollars in thousands)

Fiscal Year	Retirement Benefit Payments	Beneficiary Payments	Return of Contributions	Administrative Expenses	Total Expenses
1996	\$1,640,105	\$44,153	\$44,973	\$26,148	\$1,755,379
1997	1,844,089	51,168	40,541	24,720	1,960,518
1998	1,993,143	53,809	31,853	24,135	2,102,940
1999	2,212,239	45,896	30,206	26,094	2,314,435
2000	2,410,628	69,304	40,529	28,878	2,549,339
2001	2,834,136	53,560	28,407	30,581	2,946,684

## Participating Employers

Abbott UFS	Berlin CS	Cayuga-Onondaga BOCES	Cuba-Rushford CS
Addison CS	Berne-Knox-Westerlo CS	Cazenovia CS	D.Valley-J.Youngsville-Nrwsburg CS
Adirondack CS	Bethlehem CS	Center Moriches UFS	Dalton-Nunda
Adirondack Com Col	Bethpage UFS	Central Islip UFS	Dansville CS
Afton CS	Binghamton City SD	Central NY School-Math/Science	De Ruyter CS
Akron CS	Blind Brook-Rye UFS	Central Square CS	Deer Park UFS
Albany City SD	Bloomfield CS	Chappaqua CS	Del-Chen-Mad-Otsego BOCES
Albion CS	Bolivar-Richburg CS	Charlotte Valley CS	Delhi CS
Alb-Schoharie-Schnctdy-Saratoga	Bolton CS	Charter School-Science & Technology	Depew UFS
Alden CS	Bradford CS	Chateaugay CS	Deposit CS
Alexander CS	Brasher Falls CS	Chatham CS	Dobbs Ferry UFS
Alexandria CS	Brentwood UFS	Chautauqua Lake CS	Dolgeville CS
Alfred Almond CS	Brewster CS	Chazy UFS	Dover UFS
Allegany-Limestone CS	Briarcliff Manor UFS	Cheektowaga CS	Downsville CS
Altmar Parish-Williamstown CS	Bridgehampton UFS	Cheektowaga-Maryvale UFSD	Dryden CS
Amagansett UFS	Brighton CS	Cheektowaga-Sloan UFSD	Duanesburg CS
Amherst CS	Brittonkill CS	Chenango Forks CS	Dundee CS
Amityville UFS	Broadalbin-Perth CS	Chenango Valley CS	Dunkirk PS
Amsterdam City SD	Brockport CS	Cherry Valley-Springfield CS	Dutchess BOCES
Andes CS	Brocton CS	Chester UFS	Dutchess Com Col
Andover CS	Bronxville UFS	Chittengo CS	East Aurora UFS
Ardsey UFS	Brookfield CS	Churchville Chili CS	East Greenbush CS
Argyle CS	Brookhaven Comsewogue UFSD	Cincinnati CS	East Hampton UFS
Arkport CS	Broome Com Col	Clarence CS	East Irondequoit CS
Arlington CS	Broome-Delaware-Tioga BOCES	Clarkstown CS	East Islip UFS
Attica CS	Brushon Moira CS	Cleveland Hill UFSD at Cheektowaga	East Meadow UFS
Auburn City SD	Buffalo PS	Clifton Fine CS	East Moriches UFS
Ausable Valley CS	Burnt Hills-Ballston Lake CS	Clinton CS	East Quogue UFS
Averill Park CS	Byram Hills CSD at Armonk	Clinton Com Col	East Ramapo CS
Avoca CS	Byron Bergen CS	Clinton-Essex-Warren-Wash BOCES	East Rochester UFS
Avon CS	Cairo-Durham CS	Clyde Savannah CS	East Rockaway UFS
Babylon UFS	Caledonia Mumford CS	Clymer CS	East Syracuse-Minoa CS
Bainbridge Guilford CS	Cambridge CS	Cobleskill-Richmondville CS	East Williston UFS
Baldwin UFS	Camden CS	Cohoes City SD	Eastchester UFS
Baldwinsville CS	Campbell-Savona CS	Cold Spring Harbor CS	Eastport UFS
Ballston Spa CS	Canajoharie CS	Colton Pierrepont CS	Eden CS
Barker CS	Canandaigua City SD	Columbia-Greene Com Col	Edgemont UFSD-Greenburgh
Batavia City SD	Canaseraga CS	Commack UFS	Edinburg Common Schools
Bath CS	Canastota CS	Connetquot CS	Edmeston CS
Bay Shore UFS	Candor CS	Cooperstown CS	Education Department
Bayport Blue Point UFSD	Canisteo CS	Copake Taconic Hills CSD	Edwards-Knox CS
Beacon City SD	Canton CS	Copenhagen CS	Edwin Gould Acdmy-Ramapo UFSD
Beaver River CS	Carle Place UFS	Copiague UFSD	Elba CS
Bedford CS	Carmel CS	Corinth CS	Eldred CS
Beekmantown CS	Carthage CS	Corning Com Col	Elizabethtown-Lewis CS
Belfast CS	Cassadaga Valley CS	Corning-Painted Post PS	Ellenville CS
Belleville-Henderson CS	Cato Meridian CS	Cornwall CS	Ellicottville CS
Bellmore UFS	Catskill CS	Cortland City SD	Elmira City SD
Bellmore-Merrick CS	Cattaraugus-Algny-Erie-Wyo BOCES	Coxsackie Athens CS	Elmira Heights CS
Bemus Point CS	Cattaraugus-Little Valley CS	Croton Harmon UFS	Elmont UFS
Berkshire UFS	Cayuga Com Col	Crown Point CS	Elmsford UFS

## Participating Employers (continued)

Elwood UFS	Glen Cove City SD	Herricks UFS	Kenmore Town of Tonawanda UFSD
Erie Com Col	Glens Falls City SD	Heuvelton CS	King Center
Erie 1 BOCES	Glens Falls Common School	Hewlett Woodmere UFS	Kings Park CS
Erie 2-Chautauqua-Cattaraugus	Gloversville City SD	Hicksville PS	Kingston City SD
Eugenio Maria De Hostas	Gorham-Middlesex CS	Highland CS	Kiryas Joel Village UFSD
Fabius-Pompey CS	Goshen CS	Highland Falls-Fort Mont CSD	La Fargeville CS
Fairport CS	Gouverneur CS	Hilton CS	La Fayette CS
Falconer CS	Gowanda CS	Hinsdale CS	Lackawanna City SD
Fallsburg CS	Grand Island CS	Holland CS	Lake George CS
Farmingdale UFS	Granville CS	Holland Patent CS	Lake Placid CS
Fashion Institute of Technology	Great Neck PS	Holley CS	Lake Pleasant CS
Fayetteville Manlius CSD	Greece CS	Homer CS	Lake Shore CS
Fillmore CS	Green Island UFS	Honeoye CS	Lakeland CS
Finger Lakes Com Col	Greenburgh CS	Honeoye Falls Lima CS	Lancaster CS
Fire Island UFS	Greenburgh Eleven UFSD	Hoosick Valley CS	Lansing CS
Fishers Island UFS	Greenburgh-Graham UFSD	Hoosick Falls CS	Lansingburgh CS
Floral Park-Bellerose UFSD	Greenburgh-North Castle UFSD	Hopevale UFS	Laurens CS
Florida UFS	Greene CS	Hornell City SD	Lawrence UFS
Fonda Fultonville CS	Greenport UFS	Horseheads CS	Le Roy CS
Forestville CS	Greenville CS	Hudson City SD	Letchworth CS
Fort Ann CS	Greenwich CS	Hudson Falls CS	Levittown UFS
Fort Edward PS	Greenwood CS	Hudson Valley Com Col	Lewiston Porter CS
Fort Plain CS	Greenwood Lake UFS	Hunter Tannersville CS	Liberty CS
Frankfort Schuyler CS	Groton CS	Huntington UFS	Lindenhurst PS
Franklin CS	Guilderland CS	Hyde Park CS	Lisbon CS
Franklin Square UFS	Hadley Luzerne CS	Ichabod Crane CS	Little Falls City SD
Franklin-Essex-Hamilton BOCES	Haldane CS	Ilion CS	Little Flower UFSD at Wading River
Franklinville CS	Half Hollow Hills CS	Indian Lake CS	Liverpool CS
Fredonia CS	Hamburg CS	Indian River CS	Livingston Manor CS
Freeport PS	Hamilton CS	Inlet Common Schools	Livonia CS
Frewsburg CS	Ham-Fult-Mont BOCES	Iroquois CS	Lockport City SD
Friendship CS	Hammond CS	Irvington UFS	Locust Valley CS
Frontier CS	Hammondsport CS	Island Park UFS	Long Beach City SD
Fulton City SD	Hampton Bays UFS	Island Trees UFS	Long Lake CS
Fulton-Montgomery Com Col	Hancock CS	Islip UFS	Longwood CSD at Middle Island
Galway CS	Hannibal CS	Ithaca City SD	Lowville CS
Gananda CS	Harborfields CS	Jamestown City SD	Lyme CS
Garden City UFS	Harpurville CS	Jamestown Com Col	Lynbrook UFS
Garrison UFS	Harrison CS	Jamesville Dewitt CS	Lyncourt UFS
Gates Chili CS	Harrisville CS	Jasper-Troupsburg CS	Lyndonville CS
General Brown CS	Hartford CS	Jeff-Lew-Ham-Herk-Oneida BOCES	Lyons CS
Genesee Com Col	Hastings-on-Hudson	Jefferson CS	Madison CS
Genesee Valley CS	Hauppauge UFS	Jefferson Com Col	Madison-Oneida BOCES
Gen-Liv-Steu-Wyo BOCES	Haverstraw-Stony Pt CS	Jericho UFS	Madrid Waddington CS
Genesee CS	Hawthorne Cedar Knolls UFSD	Johnsburg CS	Mahopac CS
Geneva City SD	Hempstead PS	Johnson City CS	Maine Endwell CS
George Jr Republic UFSD	Hendrick Hudson CS	Johnstown PS	Malone CS
Georgetown So Otselic CS	Herkimer CS	Jordan-Elbridge CS	Malverne UFS
Germantown CS	Herkimer County Com Col	Katonah-Lewisboro UFSD	Mamaroneck UFS
Gilbertsville-Mt Upton CS	Herk-Fulth-Hmltn-Otsego BOCES	Keene CS	Manchester-Shortsville CS
Gilboa Conesville CS	Hermon Dekalb CS	Kendall CS	Manhasset UFS

## Participating Employers (continued)

Maplewood-Colonie Common Sch	New Hyde Pk-Garden City Pk UFSD	Onteora CS	Potsdam CS
Marathon CS	New Lebanon CS	Oppenheim Ephratah CS	Poughkeepsie City SD
Marcellus CS	New Paltz CS	Orange County Com Col	Prattsburg CS
Margaretville CS	New Rochelle City SD	Orange-Ulster BOCES	Pulaski Academy and CS
Marion CS	New Suffolk Common Schools	Orchard Park CS	Putnam CS
Marlboro CS	New York Mills UFS	Oriskany CS	Putnam Valley CS
Massapequa PS	Newark CS	Orleans-Niagara BOCES	Putnam-Westchester BOCES
Massena CS	Newark Valley CS	Ossining UFS	Queensbury UFS
Mattituck-Cutchogue UFSD	Newburgh City SD	Oswego BOCES	Quogue UFS
Mayfield CS	Newcomb CS	Oswego City SD	Ramapo CS
McGraw CS	Newfane CS	Otego-Unadilla CS	Randolph Academy UFS
Mechanicville City SD	Newfield CS	Otsego-Del-Schoh-Greene BOCES	Randolph CS
Medina CS	Niagara County Com Col	Owego Apalachin CS	Raquette Lake UFS
Menands UFS	Niagara Falls City SD	Owen D Young CS	Ravena-Coeymans-Selkirk CS
Merrick UFS	Niagara Wheatfield CS	Oxford Academy and CS	Red Creek CS
Mexico CS	Niskayuna CS	Oyster Bay-East Norwich CS	Red Hook CS
Middle Country CS	North Babylon UFS	Oysterponds UFS	Rensens CS
Middleburgh CS	North Bellmore UFS	Palmyra-Macedon CS	Remsenburg-Speonk UFSD
Middletown City SD	North Collins CS	Panama CS	Rensselaer City SD
Milford CS	North Colonie CS	Parishville Hopkinton CS	Renss-Columbia-Greene BOCES
Millbrook CS	North Country Com Col	Patchogue-Medford UFS	Rhinebeck CS
Miller Place UFS	North Greenbush Common Sch	Pavilion CS	Rhinecliff UFS
Mineola UFS	North Merrick UFS	Pawling CS	Richfield Springs CS
Minerva CS	North Rose Wolcott CS	Pearl River UFS	Ripley CS
Minisink Valley CS	North Salem CS	Peekskill City SD	Riverhead CS
Mohawk CS	North Shore CS	Pelham UFS	Rochester City SD
Mohawk Valley Com Col	North Syracuse CS	Pembroke CS	Rockland BOCES
Monroe Woodbury CS	North Tonawanda City SD	Penfield CS	Rockland Com Col
Monroe 1 BOCES	North Warren CS	Penn Yan CS	Rockville Centre UFSD
Monroe 2-Orleans BOCES	Northeastern Clinton CS	Perry CS	Rocky Point UFS
Monroe Com Col	Northern Adirondack CS	Peru CS	Rome City SD
Montauk UFS	Northport-East Northport UFSD	Phelps-Clifton Springs CS	Romulus CS
Monticello CS	Northville CS	Phoenix CS	Rondout Valley CS
Moravia CS	Norwich City SD	Pine Bush CS	Roosevelt UFS
Moriah CS	Norwood Norfolk CS	Pine Plains CS	Roscoe CS
Morris CS	Nyack UFS	Pinevalley CS South Dayton	Roslyn PS
Morristown CS	NYS School for the Blind	Pioneer CS	Rotterdam-Mohonasen CS
Morrisville Eaton CS	NYS School for the Deaf	Piseco Common Schools	Roxbury CS
Mount Markham CS	NYS Teachers' Ret System	Pittsford CS	Royalton-Hartland CS
Mount Morris CS	Oakfield Alabama CS	Plainedge UFS	Rush Henrietta CS
Mt. Pleasant Blythedale UFSD	Oceanside UFS	Plainview-Old Bethpage CS	Rye City SD
Mount Pleasant CS	Odessa Montour CS	Plattsburgh City SD	Rye Neck UFS
Mount Pleasant Cottage School	Ogdensburg City SD	Pleasantville UFS	Sachem CS
Mount Sinai UFS	Olean City SD	Pocantico Hills CS	Sackets Harbor CS
Mount Vernon PS	Oneida City SD	Poland CS	Sag Harbor UFS
Nanuet UFS	Oneida-Madison-Herkimer BOCES	Port Byron CS	Sagaponack Common Schools
Naples CS	Oneonta City SD	Port Chester Rye	Salamanca City SD
Nassau BOCES	Onondaga CS	Port Jefferson UFS	Salem CS
Nassau Com Col	Onondaga Com Col	Port Jervis City SD	Salmon River CS
Nassau Co Vocational Board	Onond-Cort-Mad BOCES	Port Washington UFS	Sandy Creek CS
New Hartford CS	Ont-Sen-Yates-Cay-Wayne BOCES	Portville CS	Saranac CS

## Participating Employers (continued)

Saranac Lake CS	Springs UFS	Syosset CS	Watkins Glen CS
Saratoga Springs City Schools	Springville-Griffith Institute	Syracuse City SD	Waverly CS
Saugerties CS	St Johnsville CS	Thousand Islands CS	Wayland-Cohocton CS
Sauquoit Valley CS	St Lawrence-Lewis BOCES	Three Village CS	Wayne CS
Sayville PS	St Regis Falls CS	Ticonderoga CS	Webster CS
Scarsdale UFS	Stamford CS	Tioga CS	Webutuck CS
Schalmont CS	Starpont CS	Tompkins-Cortland Com Col	Weedsport CS
Schenectady City SD	State Ag and Ind School	Tompkins-Seneca-Tioga BOCES	Wells CS
Schenectady County Com Col	Steuben-Allegany BOCES	Tonawanda City SD	Wellsville CS
Schenevus CS	Stillwater CS	Town of Webb UFS	West Babylon UFS
Schodack CS	Stockbridge CS	Tri Valley CS	West Canada Valley CS
Schoharie CS	Suffolk Co Vocational Board	Troy City Schools	West Genesee CS
Schroon Lake CS	Suffolk County Com Col	Trumansburg CS	West Hempstead UFS
Schuyler-Chemung-Tioga BOCES	Suffolk 1 BOCES	Tuckahoe Common Schools	West Irondequoit CS
Schuylerville CS	Suffolk 3 BOCES	Tuckahoe UFSD	West Islip UFS
Scio CS	Sugarloaf UFS	Tully CS	West Park UFS
Scotia Glenville CS	Sullivan BOCES	Tupper Lake CS	West Seneca CS
Seaford PS	Sullivan County Com Col	Tuxedo UFS	West Valley CS
Seneca Falls CS	SUNY Alfred Ag and Tech	UFSD of the Tarrytowns	Westbury UFS
Sewanhaka CS	SUNY at Albany	Ulster BOCES	Westchester 2 BOCES
Sharon Springs CS	SUNY at Binghamton	Ulster County Com Col	Westchester Com Col
Shelter Island UFS	SUNY at Buffalo	Unadilla Valley CS	Westfield CS
Shenendehowa CSD at Clifton Pk	SUNY at Stony Brook	Union Springs CS	Westhampton Beach UFSD
Sherburne Earlville CS	SUNY Canton Ag and Tech	Union-Endicott CS	Westhill CS
Sherman CS	SUNY Central Administration	Uniondale PS	Westmoreland CS
Shoreham Wading River CS	SUNY Cobleskill Ag and Tech	Utica City SD	Westport CS
Sidney CS	SUNY College at Brockport	Valhalla UFS	Wheatland Chili CS
Silver Creek CS	SUNY College at Buffalo	Valley CS	Wheelerville UFS
Skaneateles CS	SUNY College at Cortland	Valley Stream Central HS	White Plains City SD
Smithtown CS	SUNY College at Fredonia	Valley Stream #13 UFSD	Whitehall CS
Sodus CS	SUNY College at Genesee	Valley Stream UFSD 30	Whitesboro CS
Solvay UFS	SUNY College at New Paltz	Valley Stream UFSD 24	Whitesville CS
Somers CS	SUNY College at Old Westbury	Vernon-Verona-Sherrill CS	Whitney Point CS
South Buffalo	SUNY College at Oneonta	Vestal CS	William Floyd UFS
South Colonie CS	SUNY College at Oswego	Victor CS	Williamson CS
South Country CS	SUNY College at Plattsburgh	Voorheesville CS	Williamsville CS
South Glens Falls CS	SUNY College at Potsdam	Wainscott Common Schools	Willsboro CS
South Huntington UFSD	SUNY College at Purchase	Walkkill CS	Wilson CS
South Jefferson CS	SUNY Coll of Ceramics at Alfred	Walton CS	Windham Ashland Jewett CS
South Kortright CS	SUNY College of Environmental	Wantagh UFS	Windsor CS
South Lewis CS	SUNY College of Optometry	Wappingers CS	Worcester CS
South Manor UFS	SUNY College of Technology	Warrensburg CS	Wyandanch UFS
South Orangetown CS	SUNY Delhi Ag and Tech	Warsaw CS	Wynantskill UFS
South Seneca CS	SUNY Empire State College	Warwick Valley CS	Wyoming CS
Southampton UFS	SUNY Farmingdale Ag and Tech	Wash-Sara-Warren-Hmltn-Essex	Yonkers PS
Southern Cayuga CS	SUNY Health Sci Ctr at Brooklyn	Washingtonville CS	York CS
Southold UFS	SUNY Health Sci Ctr at Syracuse	Waterford Halfmoon UFSD	Yorktown CS
Southwestern CS	SUNY Maritime College	Waterloo CS	
Spackenkill UFS	SUNY Morrisville Ag and Tech	Watertown City SD	
Spencer Van Etten CS	Susquehanna Valley CS	Waterville CS	
Spencerport CS	Sweet Home CS	Watervliet City SD	

the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million, and the number of people aged 75 and over has increased from 4.5 million to 6.5 million (Office for National Statistics 2000).

There is a growing awareness of the need to address the needs of older people, and the need to ensure that the health care system is able to meet the needs of older people. The Department of Health (2000) has set out a strategy for the health care system, which includes a commitment to improve the health care of older people. The strategy is based on the following principles:

- To ensure that older people have access to the same quality of health care as younger people.

- To ensure that older people are able to live independently for as long as possible.

- To ensure that older people are able to participate in decisions about their health care.

- To ensure that older people are able to live in their own homes for as long as possible.

- To ensure that older people are able to receive the care and support they need in their own homes.

- To ensure that older people are able to receive the care and support they need in care homes.

- To ensure that older people are able to receive the care and support they need in residential care homes.

- To ensure that older people are able to receive the care and support they need in nursing homes.

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[www.nystrs.org](http://www.nystrs.org)



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