## Annual report.

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# TEACHERS' RETIREMENT SYSTEM OF THE STATE OF ILLINOIS 



## 1980 ANNUAL FINANCIAL REPORT

## BOARD OF TRUSTEES

(As of December 1, 1980)



JOHN BARR
Decatur


BOB DANIELS Springfield


ANNE DAVIS
Harvey


ADMINISTRATIVE STAFF

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Associate Director

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Annuities - Benefits
CHESTER C. WOZNIAK
Assistant Director -
Informational Services

TEACHERS' RETIREMENT SYSTEM

2815 W. Washington Springfield, Illinois 62708

477 East Butterfield Road Lombard, Illinois 60148

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# Teachers' Retirement System <br> of the State of Illinois 

2815 West Washington - Springfield, Illinois 62708 - (217) 753-0311
477 E. Butterfield Road, Suite 213-Lombard, Illinois 60148-(312) 969-3240

December 19, 1980
Board of Trustees
Teachers' Retirement System
of the State of Illinois
Springfield, Illinois

The annual financial report of the Teachers' Retirement System of the State of Illinois (TRS) for the year ended June 30, 1980 (FY80), with appropriate comparable data for June 30, 1979 (FY79), is hereby submitted. This report contains comprehensive financial information about the System including financial statements with related footnotes, statistical data, and a listing of the investment portfolio. It also contains the Certified Public Accountants' opinion on the financial statements, and the Actuary's estimate of reserve requirements.

This report has been prepared in accordance with generally accepted principles of governmental pension trust fund accounting and reporting. The accrual basis of accounting is used to record assets, liabilities, revenues and expenses. Revenues are reflected when earned, expenses are recognized when the obligation is incurred. Fixed assets are recorded at cost and depreciated over the estimated useful lives of the assets. Premiums and discounts on investments purchased are amortized over the life of the security. Actuarial reserves are valued under the entry age normal actuarial method.

## Revenue

Primary sources of revenue include contributions from active members, appropriations from the Illinois General Assembly, and earnings on investments. Combined revenues for FY80 were $\$ 549.8$ million. This is an increase of $14.3 \%$ over FY79 revenues of $\$ 481.1$ million.

Member contributions are $8 \%$ of gross creditable earnings as prescribed by statute. Member contributions for FY80 were $\$ 151.3$ million compared to $\$ 141.1$ million for FY79. This increase can be attributed to salary increases received by teachers.

State appropriations for FY80 were $\$ 212.7$ million. This represents an increase of $12.8 \%$ over the FY79 revenue of $\$ 188.6$ million. State appropriations were derived from the Common School Fund and the General Revenue Fund as a reimbursement of estimated benefit payments. In addition, the System received $\$ 6.5$ million from the State Pension Fund as its share of the distribution of unclaimed assets escheated to the State.

Investment income for FY80 was $\$ 179.6$ million or $32.4 \%$ of total revenue. The $29.4 \%$ increase in investment income over FY79 was due to a larger investment portfolio and the acquisition of higher yield securities.

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## Expenses

Benefits paid to retired members, disabled members, and surviving beneficiaries accounted for $86.2 \%$ of the System's expenses. The remaining expenses included the payment of refunds to teachers who left the System and withdrew their contributions ( $12.9 \%$ ) and the cost of administering the System (.9\%). The combined expenses for FY 80 were $\$ 224.1$ million. This represents an increase of $8.6 \%$ over FY79 expenses of $\$ 206.4$ million.

Benefit payments were $\$ 193.1$ million for FY80. This is an increase of $\$ 14.1$ million or $7.9 \%$ over the FY79 payments of $\$ 179.0$ million. Due to increasing numbers of benefit recipients, this pattern of increased benefit payments is expected to continue well into the future.

Refund claims during FY80 numbered 7,564 compared to 6,925 during FY79 and resulted in payments of $\$ 28.9$ million. This is an increase of $12.9 \%$ over the FY79 payments of $\$ 25.6$ million. These payments represent a return of member contributions exclusive of interest and the $1 \%$ credited to the Survivor Benefit Reserve. It also represents the payment of contributions, including interest, to the beneficiaries of deceased members.

Administrative expenses during the year, including the cost of actuarial and investment services, were $\$ 2.1$ million. During FY80, administrative expenses represented $9 / 10$ of $1 \%$ of total expenses or the utilization of only $4 / 10$ of $1 \%$ of total revenue.

## Funding

The Teachers' Retirement System of the State of Illinois was established to provide retirement allowances and other benefits for teachers, annuitants and other beneficiaries. Statutorily defined retirement benefits are obligations of the State of Illinois. To maintain the integrity of the Trust Fund, revenues should exceed expenses by the amount of pension benefits earned by the membership each year.

The actuarial estimate of the Consulting Actuary (see Pages 20-22) shows total reserve requirements as $\$ 4.957$ billion and an unfunded obligation of the State of Illinois of $\$ 2.391$ billion. In past years, employer contributions have been insufficient to fully fund the System. More recently, improvements in funding levels have been achieved. During FY80, the funding level reached $51.8 \%$ and marks the ninth consecutive year of improvement (see Page 25).

## Investments

The investment portfolio is a major contributor to the financial strength of the System. In FY80 investment income of $\$ 179.6$ million represented $32.7 \%$ of total revenues. Recent years have shown investment income as a proportionately higher financial resource to the System (see Pages 26-27). This emphasizes that the financial strength is improved when the investment portfolio and the level of investment income are expanded.

The Springfield Marine Bank serves as the System's investment advisor. The System also utilizes the evaluation services of Becker Securities Corporation.

Investment comments, exhibits, and detailed listings of investments at June 30, 1980, are contained on Pages 32-40.

Original from

## State Agencies

The State Treasurer of Illinois is the ex-officio Treasurer for TRS. Disbursements of funds are made on the basis of vouchers authorized by the Executive Director and processed through the State Comptroller.

The Auditor General of Illinois appoints the Certified Public Accountants who conduct the yearly audit of the System.

## Acknowledgements

In October, Roy A. Baker announced his retirement as Executive Director of the System. TRS expresses its appreciation for the leadership he provided the System on behalf of all its members.

This report was compiled through the combined efforts of the TRS staff. It is intended to provide complete and reliable information about the operation of the System and its financial status. This report will be distributed to all public school buildings and a summary will appear in the System's newsletters.


Samuel W. Anderson
Acting Director

H:M:CIM STATEMTS


Peat. Marwick, Mitchell \& Co.

CERTIFIED PUBLIC ACCOUNTANTS RR SOUTH RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606

Honorable Robert G. Cronson
Auditor General
State of Illinois
Board of Trustees
Teachers' Retirement System
of the State of Illinois:

We have examined the balance sheets of the Teachers' Retirement System of the State of Illinois as of June 30, 1980 and 1979 and the related statement of revenue and expense and changes in reserve balances for the year ended June 30, 1980. Our examinations were made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the aforementioned financial statements present fairly the financial position of the Teachers' Retirement System of the State of Illinois at June 30, 1980 and 1979 and the results of its operations and the changes in its reserve balances for the year ended June 30, 1980, in conformity with generally accepted accounting principles applied on a consistent basis.


December 18, 1980
$\square$

## BALANCE SHEET

June 30, 1980
with comparative figures for 1979



FINANCIAL STATEMENTS
Exhibit A - Continued

## BALANCE SHEET

June 30, 1980
with comparative figures for 1979

| LIABILITIES AND RESERVES |  | 1980 | 1979 |  |
| :---: | :---: | :---: | :---: | :---: |
| Liabilities: |  |  |  |  |
| Benefits payable |  | \$ 363,583 |  | 377,047 |
| Refunds payable to |  |  |  |  |
| Accounts payable |  | 669,179 |  | 709,167 |
| payable |  | 25,369 |  | 179,068 |
|  |  | 2,403,664 |  | 2.221,295 |
| Reserves (Note 2): |  |  |  |  |
| Members accumulated contributions (including interest) |  |  |  |  |
|  | \$1,173,028,806 |  | 1,060,420,605 |  |
| Retirement - annuity |  |  |  |  |
| Survivors' benefits | 350,959,148 |  | 316,560,588 |  |
| Supplementary payments | 74,724 |  | 25.891 |  |
| Annual increase in |  |  |  |  |
| Increased age retirement |  |  |  |  |
| Minimum retirement |  |  |  |  |
| Employer's contribution | 929,995,648 |  | 916.291.066 |  |
|  | 4,888,696,232 |  | 4.498,690,584 |  |
| Less unfunded obligation of the State of Illinois | 2,391,382,576 |  | 2.327.062.391 |  |
|  |  | 2,497,313,656 |  | $\underline{2,171,628,193}$ |
|  |  | \$2,499,717,320 |  | $\underline{2.173 .849 .488 ~}$ |

See accompanying notes to financial statements.


FINANCIAL STATEMENTS

STATEMENT OF REVENUE AND EXPENSE
Year ended June 30, 1980

| enue. | Total | Members' accumulated contributions | Retirement annuity payments |
| :---: | :---: | :---: | :---: |

Contributions by members: Salary deductions and qualifying payments Reinstatement of prior service credits

Contributions by school districts from Federal and Trust Funds
Contributions by State of Illinois:

Common School Fund General Revenue Fund State Pension Fund

$$
\begin{array}{r}
\$ 148,458,115 \\
\begin{array}{r}
2,881,515 \\
\hline 151,339,630
\end{array}
\end{array}
$$

119,670,016
$\frac{2,442,571}{122,112,587}$


7,726,276
$\begin{array}{r}199,100,000 \\ 7,141,717 \\ 6,456,000 \\ \hline 212,697,717\end{array}$
$\begin{array}{r}179,595,957 \\ \hline 551,359,580\end{array}$



Expense:
Benefits:
Age retirement Annual increase in base pension
Increased age retirement Survivor Disability
Supplementary payments Minimum retirement

Refunds
Administrative expenses

| 154,476,872 | --- | 154,476,872 |
| :---: | :---: | :---: |
| 10,817,555 | $\cdots$ | ---- |
| 9,111,909 | ---- | --- |
| 8,459,660 | $\cdots$ |  |
| 3,121,683 | - | 2,001,268 |
| 703,621 | --- |  |
| 6,363,774 | ---- | --- |
| 193,055,074 | --- | 156,478,140 |
| 28,909,607 | 32,615,681 | 415,434 |
| 2,111,224 | --- | ----- |
| 224,075,905 | 32,615,681 | 156,893,574 |

Excess of revenue (expense) before gain (loss) on sale of investments and equipment
Loss on sale of investments, net Loss on sale of fixed assets

Excess of revenue (expense)



See accompanying notes to financial statements.


## STATEMENT OF CHANGES IN RESERVE BALANCES

Year ended June 30, 1980

Balance July 1. 1979
Excess of revenue (expense)
Reserve transfers:
Interest credited
Transfer accumulated contributions of members retiring during year
Reinstate contributions in excess of benefits paid to previously retired members who resumed teaching during year ended June 30, 1980
Contributions credited to accounts of members receiving temporary and accidental disability payments
Transfer sufficient interest earnings in excess of $4 \%$ to balance reserve
Transfer from employer (unallocated) reserve to make up actuarial deficiency

Increase in unfunded obligation
of the State of Illinois for
the year ended June 30, 1980
Net increase in reserves
for year
Balance June 30. 1980

64,320,185
$390,005,648$
$\underline{\$ 4,888,696,232}$

\$ 4,498,690,584
325,685,463
$1,060,420,605$
$89,496,906$
$(156,600,048)$
-52,983,377
-. -
$(30,108,993)$
30,108,993
$(68,883)$
$\begin{array}{ccc}\ldots & 168,028 & \ldots \\ \ldots & \ldots & \ldots \\ & \ldots & \\ & \ldots & 294,518,380\end{array}$

| $\frac{64,320,185}{390,005,648}$ | $-\frac{112,608,201}{1,173,028,806}$ |  |
| :---: | :---: | :---: |
| $\frac{167,958,442}{1,504,540,794}$ |  |  |



## FINANCIAL STATEMENTS

| Survivors' benefits | Supplementary payments | Annual increase in base pensions | Increased age retirement allowances | Minimum retirement allowances | Employer's contribution |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 316,560,588 | 25,891 | 769,889,121 | 98,317,983 | 602,978 | 916,291,066 |
| 31,465,787 | 46,379 | 7,234,378 | $(9,089,018)$ | 33,366 | 363,097,713 |
| 18,702,758 | 2,454 | 6,157,749 | --- | 30,733 | (77,877,071) |
| --- | --- | --- | --- | --- | --- |
| --- |  | --- | --- | --- | --- |
| 25,850 | --- | 12,925 | --- | --- | $(206,803)$ |
| --- | --- | --- | 9,089,018 | - | $(9,089,018)$ |
| $(15,795,835)$ | - | 53,295,645 | $(5,477,766)$ | --- | $(326,540,424)$ |
| - | -- | --- | - | -- | 64,320,185 |
| 34,398,560 | 48,833 | 66,700,697 | $(5,477,766)$ | 64,099 | 13,704,582 |

Notes to Financial Statements
June 30, 1980
(1) Summary of Significant Accounting Policies
(a) Administration of Teachers' Retirement System of the State of Illinois

The Teachers' Retirement System of the State of Illinois is administered in accordance with Chapter 108-1/2, Article 16 of the Illinois Revised Statutes. The financial statements of the System are prepared on the accrual basis of accounting.
(b) Investments

Investments are carried at cost or amortized cost; gains and losses on the sale of investments are recognized upon realization.
(c) Property and Equipment

Property and equipment are capitalized at the time of acquisition. Depreciation on equipment is computed on a straight-line basis over the estimated useful lives of the related assets.
(d) Accounts Receivable - Members

The System follows the policy of reporting accounts receivable on the accrual basis. The balance includes the amount due from members who have requested reinstatement of prior service credits.

## (e) Actuarial Valuation

The actuary for the System uses the "entry age normal" actuarial method in determining the actuarial liability. The assumptions used include earnings of $5-1 / 2 \%$ on the assets of the System and the use of the Group Annuity Table for 1951.
For purposes of actuarial valuation, the Board of Trustees has approved recognition of common stock growth under the retained earnings method provided such growth is exceeded by the growth in market value. For balance sheet purposes, common stock continues to be valued at its purchased cost. Under the retained earnings method the actuary computes an adjusted cost value for all common stocks by adding an increment to the purchase cost. This increment represents the earnings per share that were retained, that is, not paid out as dividends, by the corporation. When market value for common stocks exceeds purchased cost, the increment is recognized, but only up to the total market value.
In accordance with the Illinois Revised Statutes, an actuarial valuation is to be performed at least once every four years to determine the adequacy of actuarial assumptions regarding the mortality, service and compensation experience of the members and beneficiaries of the System. The last such valuation was performed on July 1, 1977. During the period between valuations, the actuary develops an actuarial estimate, based upon the most recent actuarial valuation performed, which is used to value the retirement, survivor benefits, annual increase in base pension, and increased age retirement allowance reserves.
(2) Reserve Accounts

Members' Accumulated Contributions
This reserve accumulates, with regular interest (5\%), the contributions by members made prior to retirement. Contributions are made by salary deduction ( $6-1 / 2 \%$ of salary) and are fully refundable upon withdrawal from the System, excluding interest credited thereon. The interest accrued is refundable only in the event of death. Interest ( $5 \%$ ) is credited as of the date of retirement or death for those retiring or dying during the year, and as of the end of the fiscal year for all other members. Interest is computed annually based upon the individual member balance in the reserve at the beginning of the fiscal year.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

## Notes to Financial Statements - continued

Retirement (annuity payments)
Upon retirement from the System, either because of age or permanent disability, the members' contributions and interest included in the members' accumulated contributions reserve is transferred to this reserve, with corresponding annuity payments charged to this reserve.

Survivors' Benefits
Members' contributions ( $1 \%$ of salary) and a ratable portion of State funds are credited to this reserve. Regular interest (at a rate of $5 \%$ ) is computed annually on the average reserve balance and such amount is credited to this reserve. Payments of benefits to survivors are charged to this reserve. Members' contributions are not refundable.

Supplementary Payments
In 1961, legislation was passed to provide for increased annuities to members then retired who met certain specified requirements. Members were required to make a contribution which was credited to this reserve. The State of Illinois also appropriates funds which are credited to the reserve. Regular interest (at a rate of $5 \%$ ) is credited to the reserve and is computed annually based upon the average reserve balance. The amount of the annuity increase which results from this legislation is charged to this reserve.

Annual Increase in Base Pension
Members' contributions ( $1 / 2 \%$ of salary) and a ratable portion of State funds are credited to this reserve. Interest (at a rate of $5 \%$ ) is computed annually on the average reserve balance and is credited to this reserve. The annual increase in base pension legislation provides that annuitants with creditable service after July 1, 1969 receive an automatic increase in the amount of the base pension of $1 \frac{1}{2} \%$ for periods prior to January $1,1972,2 \%$ for periods between January 1, 1972 and January 1, 1978, and 3\% for periods thereafter. This annual increase is charged against the reserve. Members' contributions are refundable excluding the interest credited thereon.
Increased Ige Retirement Allowance
Annuitants without creditable service after July 1, 1969 receive post-retirement increases payable from this reserve. The annual increase of the base pension is $11 / 2 \%$ for periods prior to September 1, 1971, 2\% for periods between September 1, 1971 and September 1, 1978, and $3 \%$ for periods thereafter. Annuitants qualifying for the increase are required to make a one-time contribution which is credited to this reserve. The reserve is also credited with investments earnings in excess of $4 \%$ per annum or as much as is necessary to fund benefits. Benefits are paid exclusively with funds received by the System from contributions and the excess investment earnings.

Minimum Retirement dllowances
Legislation enacted in 1974 established a minimum retirement allowance equal to $\$ 10$ per month for each year of credited service at retirement, up to a maximum of $\$ 300$ per month for 30 or more years of credited service. To qualify, annuitants were required to make a nominal contribution which was credited to this reserve. Interest (at a rate of $5 \%$ ) is credited to the reserve annually, based upon the average reserve balance. The State of Illinois also appropriates funds necessary to pay the minimum benefits provided in the 1974 legislation. All benefits paid under this program are charged to this reserve.

## I mployer"s Contribution

This reserve is credited with contributions from the State of Illinois not specifically allocated to other reserves, payments received from members for prior service, contributions by school districts from Trust and Federal Funds, investment income and the interest portion of the accumulated contributions of members granted refunds. The reserve is charged with the amounts necessary to make up any deficiency in the retirement (annuity payments) and increased age retirement allowance reserves, interest credited to other reserve accounts and temporary disability benefits paid or credited to the accounts of disabled members. This reserve is charged or credited with any adjustment necessary as the result of the actuarial valuation.

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## Notes to Financial Statements - continued

(3) Investments

A summary of investments as of June 30, 1980 follows:

|  | Cost or Amortized Cost | Approximate Market Value |
| :---: | :---: | :---: |
| United States government obligations | \$ 156,110,310 | 155,706,040 |
| Corporate securities: |  |  |
| Common and preferred stock | 675,028,382 | 637,543,099 |
| Bonds | 585,010,387 | 523,546,563 |
| Debentures | 418,469,193 | 346,402,929 |
| Notes | 366,161,815 | 327,207,367 |
| Equipment trust certificates | 39,473,587 | 36,889,525 |
| Insured mortgage loans: |  |  |
| Federal Housing Administration | 21,414,023 | 21,414,023 |
| Government National Mortgage |  |  |
| Association | 155,290,472 | 148,333,403 |
| Mineral Rights | 2,643 | 2,643 |
|  | \$2,416,960,812 | 2,197,045,592 |

The market values of the United States government obligations are based on bid prices and the market prices of stocks on closing prices at June 30, 1980. The market values of corporate bonds, debentures, notes, real estate mortgage loans and equipment trust certificates are based on prices quoted by investment counsel at June 30, 1980.
(4) Property and Equipment and Accumulated Depreciation

Property and equipment, net at June 30,1980 is summarized as follows:

| Land | $\$ 108,660$ |
| :--- | ---: |
| Land improvements | 300,860 |
| Building | $3,782,770$ |
| Equipment | 963,517 |
|  | $\$ 5,155,807$ |
| Less accumulated depreciation | 537,031 |
|  | $\$ 4,618,776$ |

The System occupies approximately $45 \%$ of its building. Net building expenses of $\$ 90,373$ are included in administrative expenses. This amount is summarized as follows:

| Operation and maintenance | $\$ 127,556$ |
| :--- | ---: | ---: |
| Depreciation expense | 122,028 |
|  | 249,584 |
| Less rental income | 159,261 |
|  | $\$ 90,323$ |

The System has a lease for its Lombard office which expires June 1982. The minimum rental obligation for the two-year period is $\$ 32,844$.

Rent expense for the year ended June 30, 1980 was $\$ 11,027$.


## FINANCIAL STATEMENTS

## Notes to Financial Statements - continued

(5) Department of Health, Education and Welfare Claim

A report from the Department of Health, Education, and Welfare, Region V, claims that the System owes a refund of $\$ 9.9$ million including $\$ 8.0$ million in excessive contributions it received from federal grant funds and interest of $\$ 1.9$ million. The claim is based on a finding that the rates used to compute contributions for salaries paid from federal grants during fiscal years 1968 to 1976 exceeded the actual rates of contributions that the State of Illinois paid on salaries of teachers participating in the retirement fund. The H.E.W. Grants Administration Manual provides that such funding may not result in discrimination between employers. The System disagrees with the finding and has responded by rejecting the refund claim.

## Hansen

A. S. Hansen, inc. 1080 Green Bay Road • Lake Bluff, Illinois 60044 • Telephone 312-234-3400

December 18, 1980

## Board of Trustees

Teachers' Retirement System of the State of Illinois
P. O. Box 4057

Springfield, Illinois 62708
Gentlemen:
Actuarial Estimate as of June 30, 1980
In accordance with the provisions of the Teachers' Retirement System of the State of Illinois, we have made an estimate of the required Reserves and Unfunded Obligation of the System as of June 30, 1980.

The estimate is based on a census and valuation of retired members as of June 30, 1980 and a census and valuation of active and inactive members as of June 30,1979. The asset statements contained herein are subject to final audit.

The statement includes the effect of unreduced early retirement (SB375), and changing the remarriage provision for survivor benefits (HB724).

In our opinion, the attached statements are a fair representation of the actuarial condition of the Fund as of June 30, 1980.

Respectfully submitted,
A. S. HANSEN, INC.


Richard C. Keating, FCA Member, American Academy of Actuaries

## ACTUARIAL BALANCE SHEET

June 30, 1980
With Comparative Figures for 1979

$$
\underline{1980} \quad \underline{1979}
$$

Resources

| Assets Less Current Liabilities | \$2,566,094,656* | 2,233,476,193** |
| :---: | :---: | :---: |
| Unfunded Past Requirement | 2,391,382,576 | $\underline{2.327,062.391}$ |
| Total Resources | \$4,957,477,232 | 4.560 .538 .584 |
| Requirements |  |  |
| Present Value of Benefits |  |  |
| Retired | 2,010,840,338 | 1.892,829.429 |
| Active Members | 4,785,166,220 | 4,500,498,918 |
| Inactive Members | 148,944,083 | 148.896 .550 |
| Total Present Value of Benefits | 6,944,950,641 | $6.542,224.897$ |
| Present Value of Future Normal Cost | $(1,987,473,409)$ | $\underline{(1,981.686,313)}$ |
| Total Requirements | \$4,957,477,232 | 4,560.538.584 |

* Includes $\$ 68,781,000$ to reflect retained earnings on equities used for actuarial valuation purposes.
** Includes $\$ 61,848,000$ to reflect common stock growth using the retained earnings method on equities used for actuarial valuation purposes.



## ALLOCATION OF REQUIREMENTS

June 30, 1980
$\underline{1980}$
Annual increase in base pensions:

| Retired | $\$ 359,227,564$ |
| :--- | ---: |
| Active and Inactive | $477,362,254$ |
| Increased age retirement allowances | $92,840,217$ |

Survivors' benefits:
Survivors receiving payments
$54,231,763$
Potential survivors of retired members
96,345,908
Potential survivors of active and inactive
$200,381,477$
*Retirement-annuity payments
Retired $1,408,194,886$
Active and Inactive $\quad \underline{2,268,893,163}$
Total Requirements $\quad \underline{\underline{\$ 4,957,477,232}}{ }^{* *}$

* Reflects anticipated deaths and refunds.
** Includes $\$ 68,781,000$ to reflect common stock growth using the retained earnings method on equities used for actuarial valuation purposes.


## STATISTICAL TABLES



| As of June 30 | Net Assets (a) | Actuarial Liabilities | Reserve Requirement | Funding <br> Ratio |
| :---: | :---: | :---: | :---: | :---: |
| 1971 | \$ 735,028,801 | 1,748,375,624 | 2,483,404,425 | 29.6 \% |
| 1972 | 843,650,755 | 1,860,000,964 | 2,703,651,719 | 31.2 |
| 1973(b) | 978,855,118 | 1,623,189,407 | 2,603,044,525 | 37.6 |
| 1974 | 1,108,988,907 | 1,681,647,565 | 2,790,636,472 | 39.7 |
| 1975 | 1,286,800,872 | 1,723,890,065 | 3,010,690,937 | 42.7 |
| 1976 | 1,479,116,151 | 1,849,861,629 | 3,328,977,780 | 44.4 |
| 1977(b) | 1,691,118,669 | 2,015,783,568 | 3,706,902,237 | 45.6 |
| 1978 | 1,939,176,097 | 2,050,071,167 | 3,989,247,264 | 48.6 |
| 1979 | 2,233,476,193 | 2,327,062,391 | 4,560,538,584 | 49.0 |
| 1980 | 2,566,094,656 | 2,391,382,576 | 4,957,477,232 | 51.8 |

(a) Assets include retained earnings on equities used for actuarial valuation puposes and excludes contributions receivable from members for reinstatement of prior service credits.
(b) As required by statute, the System's actuaries, A. S. Hansen, Inc., conducted an analysis of experience for the four-year periods ended June 30, 1973 and June 30, 1977, respectively. As a result, several changes were made in assumptions and projections including an increased assumed rate of return on the invested assets of the System. For actuarial purposes, the effects of this experience analysis has been reflected in the actuarial liability amounts shown for the years ended June 30, 1973 and June 30, 1977, respectively.


## STATISTICAL TABLES

TEN YEAR SUMMARY OF REVENUE
III
(By Source)

| Year <br> Ended <br> June 30 |  | Member <br> Contributions |
| :---: | ---: | ---: |
| 1971 |  | $\$ 78,990,316$ |
| 1972 |  | $90,345,938$ |
| 1973 |  | $95,145,143$ |
| 1974 |  | $101,317,226$ |
| 1975 |  | $112,902,615$ |
| 1976 |  | $121,248,449$ |
| 1977 |  | $124,526,810$ |
| 1978 |  | $132,176,556$ |
| 1979 |  | $141,087,603$ |
| 1980 |  | $151,339,630$ |


| $\begin{gathered} \text { Percent of } \\ \text { Total } \\ \hline \end{gathered}$ | State Appropriations | District Contributions From Federal Funds | Percent of Total |
| :---: | :---: | :---: | :---: |
| 44.5\% | 60,117,000 | 2,039,986 | 35.0 |
| 47.1 | 58,575,375 | 2,800,453 | 32.0 |
| 40.9 | 91,979,900 | 2,912,174 | 40.7 |
| 41.1 | 96,702,300 | 3,315,771 | 40.6 |
| 36.1 | 130,723,094 | 3,716,784 | 42.9 |
| 35.6 | 138,551,600 | 4,290,964 | 41.9 |
| 32.8 | 156,976,400 | 4,672,892 | 42.6 |
| 30.6 | 175,069,000 | 5,398,022 | 41.8 |
| 29.3 | 188,641,596 | 6,740,259 | 40.6 |
| 27.5 | 212,697,717 | 7,726,276 | 40.1 |

TEN YEAR SUMMARY OF EXPENSES
IV
(By Type)

| Year <br> Ended <br> June 30 | Retirement Benefits | Percent of Total | Post-Retirement Benefits | Percent of Total | Survivor <br> Bencfits | Percent of Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1971 | \$ 54,279,583 | 72.5\% | 5,039,118 | 6.7 | 2,889,229 | 3.9 |
| 1972 | 64,115,334 | 74.4 | 5,821,236 | 6.8 | 3,304,000 | 3.8 |
| 1973 | 81,027,399 | 76.1 | 6,698,138 | 6.3 | 3,933,996 | 3.7 |
| 1974 | 93,867,222 | 76.2 | 8,002,506 | 6.5 | 4,410,550 | 3.6 |
| 1975 | 102,875,465 | 72.0 | 15,502,949 | 11.0 | 5,031,776 | 3.6 |
| 1976 | 113,275,935 | 73.4 | 18,769,279 | 12.2 | 5,155,184 | 3.3 |
| 1977 | 124,561,904 | 71.7 | 20,112,058 | 11.6 | 5,818,332 | 3.3 |
| 1978 | 135,163,476 | 71.4 | 21,728,897 | 11.5 | 6,661,210 | 3.5 |
| 1979 | 144,896,371 | 70.2 | 23,841,793 | 11.6 | 7,544,393 | 3.6 |
| 1980 | 154,476,872 | 68.9 | 26,996,859 | 12.1 | 8,459,660 | 3.8 |

## III - Continued

IV - Continued

| Disability Benefits | Percent of Total | Refunds | Percent of Total | Administrative Expenses | Percent of Total | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 866,793 | 1.2 | 11,148,051 | 14.9 | 612,408 | 0.8 | 74,835,182 |
| 963,113 | 1.1 | 11,249,460 | 13.1 | 710,760 | 0.8 | 86,163,903 |
| 1,138,014 | 1.1 | 12,915,934 | 12.1 | 793,228 | 0.7 | 106,406,709 |
| 1,348,031 | 1.1 | 14,604,867 | 11.9 | 863,755 | 0.7 | 123,096,931 |
| 1,588,393 | 1.1 | 14,835,114 | 10.5 | 1,097,903 | 0.8 | 140,931,600 |
| 1,858,535 | 1.2 | 14,118,173 | 9.1 | 1,239,254 | 0.8 | 154,416,360 |
| 2,200,636 | 1.3 | 19,579,606 | 11.3 | 1,463,414 | 0.8 | 173,735,950 |
| 2,499,285 | 1.3 | 21,639,987 | 11.4 | 1,610,372 | 0.9 | 189,303,227 |
| 2,682,067 | 1.3 | 25,594,136 | 12.4 | 1,846,710 | 0.9 | 206,405,470 |
| 3,121,683 | 1.4 | 28,909,607 | 12.9 | 2,111,224 | 0.9 | 224,075,905 |



## STATISTICAL TABLES

AGE RETIREMENT BENEFICIARIES BY BENEFIT
RANGE AT JUNE 30,1980

| Monthly Benefit |  |  | Total <br> Beneficiaries | $\qquad$ | Percentage <br> of Total | Cumulative Percentage of Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | $01-\$$ | 100 | 716 | 716 | 2.4 | 2.4 |
|  | 101 - | 200 | 2,110 | 2,826 | 7.0 | 9.4 |
|  | 201 - | 300 | 5,029 | 7,855 | 16.6 | 26.0 |
|  | 301 - | 400 | 6,132 | 13,987 | 20.3 | 46.3 |
|  | 401 - | 500 | 3,661 | 17,648 | 12.1 | 58.4 |
|  | 501 - | 600 | 3,177 | 20,825 | 10.5 | 68.9 |
|  | 601 - | 700 | 2,674 | 23,499 | 8.8 | 77.7 |
|  | 701 - | 800 | 1,726 | 25,225 | 5.7 | 83.4 |
|  | 801 - | 900 | 1,374 | 26,599 | 4.5 | 87.9 |
|  | $901-1$ | 1,000 | 1,059 | 27,658 | 3.5 | 91.4 |
|  | 1,001 - | over | 2,619 | 30,277 | 8.6 | 100.0 |

1980 - Average Monthly Benefit \$514.77
1979 - Average Monthly Benefit \$489.71
1978 - Average Monthly Benefit \$469.43
1977 - Average Monthly Benefit \$452.24
1976 - Average Monthly Benefit \$437.89

Median Monthly Benefit $\$ 432.11$
Median Monthly Benefit $\$ 407.40$
Median Monthly Benefit $\$ 387.36$
Median Monthly Benefit $\$ 372.16$
Median Monthly Benefit \$357.72
(Total claims 1,534 )

Median Age
Median Service
Median Monthly Benefits
Average Monthly Benefit

61
25.305
\$630.60
$\$ 681.00$

TEN YEAR MEMBERSHIP PROFILE

| YEAR ENDED <br> JUNE 30 | BENEFIT <br> RECIPIENTS |
| :---: | :---: |
| 1971 | 19,268 |
| 1972 | 22,899 |
| 1973 | 24,394 |
| 1974 | 25,848 |
| 1975 | 27,229 |
| 1976 | 28,244 |
| 1977 | 30,295 |
| 1978 | 31,457 |
| 1979 | 32,423 |
| 1980 | 33,410 |


| INACTIVE <br> MEMBERS | ACTIVE <br> MEMBERS |
| :---: | :---: |
| 28,534 | 101,544 |
| 29,866 | 102,494 |
| 29,310 | 103,000 |
| 29,349 | 102,569 |
| 29,411 | 105,706 |
| 29,491 | 105,316 |
| 30,214 | 103,216 |
| 30,970 | 105,433 |
| 31,341 | 105,353 |
| 31,508 | $105,236^{*}$ |

DISTRIBUTION OF ACTIVE MEMBERS*
VIII

BY AGE
(At June 30, 1980)

| AGE | MALE | FEMALE | TOTAL |
| :--- | ---: | ---: | ---: |
| $20-24$ | 1,523 | 6,124 | 7,647 |
| $25-29$ | 4,156 | 12,118 | 16,274 |
| $30-34$ | 8,904 | 14,145 | 23,049 |
| $35-39$ | 7,554 | 9,254 | 16,808 |
| $40-44$ | 4,971 | 7,073 | 12,044 |
| $45-49$ | 4,330 | 5,756 | 10,086 |
| $50-54$ | 3,654 | 5,536 | 9,190 |
| $55-59$ | 2,437 | 4,073 | 6,510 |
| $60-64$ | 707 | 2,218 | 2,925 |
| $65-69$ | 150 | 530 | 680 |
| 70 or | 4 | 19 | 23 |
| older |  |  |  |
| TOTAL | $\underline{38,390}$ | $\underline{66,846}$ | $\underline{\underline{105,236}}$ |

BY SERVICE
(At June 30, 1980)

| YEARS |  |  |  |
| :---: | ---: | ---: | ---: |
| OF |  |  |  |
| SERVICE | MALE | FEMALE | TOTAL |
|  |  |  |  |
| Under 1 | 422 | 1,885 | 2,307 |
| $1-4$ | 6,150 | 20,675 | 26,825 |
| $5-9$ | 8,458 | 18,464 | 26,922 |
| $10-14$ | 8,935 | 12,935 | 21,870 |
| $15-19$ | 5,562 | 6,026 | 11,588 |
| $20-24$ | 4,679 | 3,559 | 8,238 |
| $25-29$ | 2,642 | 1,927 | 4,569 |
| $30-34$ | 1,397 | 911 | 2,308 |
| 35 or | 145 | 464 | 609 |
| more |  |  |  |
| TOTAL | $\underline{38,390}$ | $\underline{66,846}$ | $\underline{\underline{105,236}}$ |

*Estimated

## Schecule of Administrative Expenses Paid From Employer's Contrivukion Resarve

Year Ended June 30, 1980

## With Comparative Figures for 1979

|  | 1980 | $\underline{1979}$ |
| :---: | :---: | :---: |
| Salaries | \$1,191,800 | \$1,062,544 |
| Investment service and expense | 195,131 | 175.471 |
| Actuarial service | 21,300 | 20.746 |
| Occupancy expense | 101,350* | 103.766 |
| Printing and paper | 5,859 | 9.356 |
| Postage and express | 46,682 | 31.000 |
| Machine repair and rental | 61,994 | 57.158 |
| Automobile and travel | 30,586 | 20,011 |
| Office supplies and expense | 66,226 | 53.675 |
| Telephone and telegraph | 41,945 | 40.987 |
| Depreciation on equipment | 153,867 | $12+0.3 .5$ |
| Other professional services | 74,363 |  |
| Membership information | 120,121 | S: |
| Moving expense | ------ | - - |
| Board election expense | ------- | .. - |
|  | \$2,111,224 |  |

*Net of rental income of \$159.261

## IIVEETTMEITS

## INVESTMENT SUMMARY

The investment objective of the Teachers' Retirement System is to provide the greatest possible long term benefits to members of the System by maximizing the total rate of return on investments within prudent perimeters of risk for a retirement fund of this type. The Illinois Pension Code establishes parameters or types of investments that may be purchased by the System. Springfield Marine Bank, as the System's investment advisor, makes investment portfolio recommendations considering the statutory restrictions and the System's investment objective and policy. Periodic investment performance evaluations are also made by the Becker Funds Evaluation Service.

The investment portfolio of the Teachers' Retirement System of the State of Illinois as of June 30, 1980, had an aggregated market value of approximately $\$ 2.20$ billion, up about 241 million or $12.3 \%$ from last year.

The fund received approximately $\$ 180$ million in income for the fiscal year, generating a $9.2 \%$ income rate of return, up from the $7.8 \%$ return last year. The investment yield based on cost also increased to $7.71 \%$ as of June 30, 1980, up from $7.31 \%$ a year earlier.

The System's stock dividend reinvestment program with companies offering a $5 \%$ discount for taking quarterly dividends in additional shares generated $\$ 171,643$ for the nine months in effect during FY80.

Bond swaps increased the Fund's annual income by $\$ 282,662$. The Bond swaps will result in a net advantage to maturity for the Fund of $\$ 5,892,973$.

The Retirement Fund earnings rate is noticeably below currently available rates for large savings deposits such as money market certificates. There are several factors that cause this result. First, current yields available are near record levels; the fund return, however, represents the average return on a pool of assets purchased over a long period at times when market rates were considerably lower. Many of the fund investments are locked in past prevailing rates for longer terms. The total average portfolio yield will lag behind the market rates as only a small portion of the fund is reinvested each year. As older investments mature or are liquidated and the funds reinvested with dividend and interest payments, the average fund rate of return will move toward the current market rate of return.

The second factor causing the seemingly low fund rate of return in comparison to current money market rates is the use of stock dividend rates in the calculation of the fund earnings rate. Stock dividend yields are relatively low, currently averaging about $5.4 \%$. When these stock dividend yields are combined with bond yields, a lower current earnings rate is obtained than would be obtained from a portfolio consisting entirely of fixed income securities. The reason stocks are purchased despite this effect on the earnings rate is because total returns expected from stocks are well in excess of their dividend yields. A higher return than the current dividend rate is expected because the major portion of corporate earnings are reinvested in their businesses. This reinvestment should result in increased earnings and dividends and market value over time.

SCHEDULE OF INVESTMENT INCOME*
Years ended June 30, 1980 and 1979

|  | 1980 | 1979 |
| :---: | :---: | :---: |
| United States government obligations | \$ 18,398,623 | 14,434,148 |
| Common and preferred stock | 32,988,541 | 28,773,562 |
| Other corporate securities: |  |  |
| Bonds | 46,284,079 | 29,322,000 |
| Debentures | 33,306,790 | 31,065,837 |
| Notes | 32,738,154 | 26,162,507 |
| Equipment Trust Certificates | 3,011,327 | 2,763,058 |
| Insured mortgage loans: |  |  |
| Federal Housing Administration | 1,087,653 | 1,341,013 |
| Government National Mortgage Association | 11,718,628 | 4,915,991 |
| Royalties and miscellaneous income | 62,162 | 37.998 |
|  | \$179,595,957 | 138,816,114 |

*The Schedule above reflects only the earnings of securities and does not reflect the net gain or loss resulting from the sales of securities, such gain or loss being reflected on Page 12.

## COMPOSITION OF INVESTMENTS (AT COST)




|  | Interest Rate | Maturity Date | Par Value | Book Value | Market Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Government Securities |  |  |  |  |  |
| U. S. Treasury Bond | 7.875\% | 02-15-00 | \$5,066,000 | 5,152,537 | 4,125,649 |
| U. S. Treasury Note | 13.875 | 02-28-82 | 5,000,000 | 4,976,430 | 5,365,650 |
| U. S. Treasury Note | 10.750 | 11-15-89 | 5,000,000 | 5,008,482 | 5,225,000 |
| U. S. Treasury Bills . | . | 07-03-80 | 14,180,000 | 14,166,903 | 14,174,328 |
| U. S. Treasury Bills . | - | 07-10-80 | 8,830,000 | 8,798,301 | 8,815,872 |
| U. S. Treasury Bills . |  | 07-17-80 | 10,685,000 | 10,622,877 | 10,654,013 |
| U. S. Treasury Bills . | -- | 07-24-80 | 4,300,000 | 4,269,078 | 4,282,369 |
| U. S. Treasury Bills . | - | 07-31-80 | 24,765,000 | 24,536,426 | 24,634,650 |
| U. S. Treasury Bills . | - | 08-07-80 | 9,290,000 | 9,208,304 | 9,222,182 |
| U. S. Treasury Bills . | --- | 08-14-80 | 8,280,000 | 8,193,742 | 8,202,168 |
| U. S. Treasury Bills . | . | 08-21-80 | 6,530,000 | 6,484,006 | 6,456,210 |
| U. S. Treasury Bills . | . | 08-28-80 | 13,515,000 | 13,348,764 | 13,342,008 |
| U. S. Treasury Bills . | . - | 09-04-80 | 15,955,000 | 15,756,967 | 15,726,843 |
| U. S. Treasury Bills . | . | 09-11-80 | 4,735,000 | 4,676,496 | 4,606,533 |
| U. S. Treasury Bills . | -- | 09-18-80 | 17,840,000 | 17,567,794 | 17,532,260 |
| U. S. Treasury Bills . | - | 09-25-80 | 3,405,000 | 3,343,203 | 3,340,305 |
| TOTAL |  |  | \$157,376,000 | 156,110,310 | 155,706,040 |



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|  | Interest Rate | Maturity Date | $\begin{aligned} & \text { Par } \\ & \text { Value } \end{aligned}$ | Book Value | Market <br> Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Corporate Securities - Bonds |  |  |  |  |  |
| American Savings and Loan Association. | 8.500\% | 04-15-84 | \$10,000,000 | 9,985,436 | 9,387,500 |
| American Savings and Loan Association | . 9.500 | 06-30-85 | 5,000,000 | 5,000,000 | 4,715,650 |
| Arizona Public Service Company | . 4.800 | 11-01-91 | 2,000,000 | 2,000,000 | 1,250,200 |
| Arizona Public Service Company | . 4.450 | 06-01-92 | 1,000,000 | 1,000,000 | 591,820 |
| Baltimore Gas and Electric Company | . 8.375 | 09-15-06 | 6,000,000 | 6,073,233 | 4,770,000 |
| Bank of North Dakota | - 9.250 | 12-01-93 | 5,000,000 | 5,000,000 | 4,131,250 |
| Broadview Savings and Loan Company | . 8.000 | 11-01-84 | 5,000,000 | 4,995,018 | 4,600,000 |
| Brooklyn Union Gas Company | . 9.750 | 06-01-85 | 5,000,000 | 5,000,000 | 4,900,000 |
| Brooklyn Union Gas Company | . 4.375 | 05-28-88 | 990,000 | 990,000 | 643,500 |
| California Federal Savings and Loan A ssociation | . 7.625 | 06-15-84 | 6,885,000 | 6,811,213 | 6,282,563 |
| Carolina Power and Light Company . . . . . . | - 9.250 | 06-01-08 | 5,000,000 | 4,947,536 | 4,021,900 |
| Carolina Power and Light Company | . 12.250 | 11-01-09 | 5,000,000 | 5,000,000 | 5,109,400 |
| Central Power and Light Company . | 12.375 | 01-01-10 | 5,000,000 | 5,000,000 | 5,215,650 |
| Chicago Union Station Company . | 4.625 | 06-01-88 | 3,850,000 | 3,846,736 | 2,661,313 |
| Citizens Utilities Company . . . | . 4.800 | 12-31-91 | 1,000,000 | 1,000,000 | 630,000 |
| Commonwealth Edison Company | . 3.750 | 03-01-88 | 2,770,000 | 2,311,761 | 1,781,470 |
| Commonwealth Edison Company | . 4.625 | 03-01-90 | 2,970,000 | 2,513,915 | 1,874,813 |
| Commonwealth Edison Company | . 5.750 | 11-01-96 | 4,000,000 | 4,000,000 | 2,410,000 |
| Community Federal Savings Loan A ssociation | . 10.000 | 09-01-89 | 7,880,000 | 4,460,909 | 7,683,000 |
| Consolidated Edison Company | 4.000 | 06-01-88 | 3,185,000 | 2,604,244 | 2,098,119 |
| Consolidated Edison Company | . 4.400 | 06-01-93 | 2,000,000 | 2,000,000 | 1,110,000 |
| Consolidated Edison Company | . 4.600 | 10-15-94 | 5,300,000 | 4,646,761 | 2,908,375 |
| Federal Farm Credit Banks . . | . 9.450 | 04-23-84 | 10,000,000 | 10,000,000 | 9,937,500 |
| Federal Farm Credit Banks | . 13.250 | 04-22-85 | 5,000,000 | 5,000,000 | 5,650,000 |
| Federal Farm Credit Banks | . 10.750 | 10-20-86 | 10,000,000 | 10,000,000 | 10,337,500 |
| Federal Farm Credit Banks | . 12.650 | 04-20-88 | 5,000,000 | 5,000,000 | 5,656,250 |
| Federal Farm Credit Banks | . 7.750 | 09-05-89 | 10,000,000 | 10,000,000 | 8,625,000 |
| Federal Farm Credit Banks | 10.950 | 01-22-90 | 10,000,000 | 10,000,000 | 10,362,500 |
| Federal Home Loan Bank | 11.600 | 05-25-83 | 5,000,000 | 5,000,000 | 5,256,250 |
| Federal Home Loan Bank | 11.300 | 11-25-86 | 10,000,000 | 10,000,000 | 10,525,000 |
| Federal Home Loan Bank | 7.375 | 11-26-93 | 15,400,000 | 13,592,041 | 12,031,250 |
| Federal Home Loan Mortgage Corporation | . 8.750 | 09-15-99 | 7,129,600 | 7,040,418 | 6,599,300 |
| Federal Home Loan Mortgage Corporation | . 8.850 | 03-15-08 | 8,550,000 | 8,510,224 | 7,625,574 |
| Federal Home Loan Mortgage Corporation | . 9.000 | 09-15-08 | 13,800,000 | 13,767,568 | 12,790,944 |
| Federal Home Loan Mortgage Corporation | . 9.400 | 09-15-08 | 9,200,000 | 9,156,426 | 8,487,000 |
| Federal Home Loan Mortgage Corporation | 9.875 | 03-15-09 | 23,000,000 | 22,911,522 | 21,691,990 |
| Federal Home Loan Mortgage Corporation | 10.250 | 03-15-09 | 18,400,000 | 18,117,933 | 17,721,592 |
| Federal Home Loan Mortgage Corporation | 10.000 | 09-15-09 | 20,000,000 | 19,963,625 | 18,200,000 |
| Federal Home Loan Mortgage Corporation | 12.450 | 09-15-09 | 20,000,000 | 19,950,959 | 20,300,000 |
| First Federal Savings and Loan . . . . . . . | 9.750 | 07-15-87 | 5,000,000 | 4,987,604 | 4,837,500 |
| Florida Power and Light Company | 9.375 | 06-01-06 | 5,000,000 | 5,000,000 | 4,093,750 |
| Florida Power Corporation . . . | . 13.625 | 04-01-87 | 5,000,000 | 5,000,000 | 5,487,500 |
| General Telephone Company of California | . 4.500 | 06-01-94 | 3,000,000 | 2,986,044 | 1,719,390 |
| General Telephone Company of Illinois. | . 4.875 | 09-01-95 | 4,000,000 | 4,000,000 | 2,280,000 |
| General Telephone Company of Ohio | . 5.100 | 03-01-96 | 3,000,000 | 3,000,000 | 1,743,750 |
| Gibraltar Savings A ssociation . | . 9.750 | 08-15-84 | 5,000,000 | 5,000,000 | 4,912,500 |
| Government of Canada | . 9.000 | 10-15-83 | 5,000,000 | 5,000,000 | 4,783,750 |
| Government of Canada | . 8.200 | 10-01-85 | 5,000,000 | 4,964,935 | 4,921,900 |
| Government of Canada | . 8.625 | 04-01-98 | 9,900,000 | 8,516,446 | 8,996,625 |
| Guarantee Savings and Loan A ssociation | . 8.450 | 03-01-84 | 5,000,000 | 5,000,000 | 4,612,500 |
| Home Savings and Loan Association . . . | . 7.875 | 11-15-85 | 5,000,000 | 4,987,338 | 4,331,250 |
| Houston First Savings Association. | . 8.875 | 08-01-84 | 5,000,000 | 4,995,966 | 4,803,150 |
| Houston Lighting and Power Company | . 11.250 | 12-01-09 | 5,000,000 | 4,970,535 | 4,987,500 |
| Illinois Bell Telephone Company . . . . | . 6.000 | 07-01-98 | 4,900,000 | 4,157,355 | 3,142,125 |
| Illinois Power Company . . . . . | . 8.625 | 07-01-06 | 5,000,000 | 4,959,949 | 3,950,000 |
| Imperial Savings and Loan Association | . 7.700 | 06-15-87 | 10,400,000 | 8,841,634 | 8,658,000 |
| Indianapolis Water Company . . . . . | . 4.750 | 01-01-92 | 1,500,000 | 1,504,606 | 922,500 |
| Inter-American Development Bank | . 9.000 | 02-01-01 | 5,000,000 | 5,000,000 | 4,400,000 |
| Inter-American Development Bank | 8.750 | 07-15-01 | 10,070,000 | 10,183,022 | 8,647,613 |
| International Bank for Reconstruction and Development | 4.500 | 02-01-90 | 3,120,000 | 2,677,502 | 2,137,200 |
| International Bank for Reconstruction and Development | 5.375 | 07-01-91 | 5,615,000 | 4,885,704 | 3,972,613 |
| International Bank for Reconstruction and Development | 5.375 | 04-01-92 | 4,044,000 | 3,581,726 | 2,815,635 |
| International Bank for Reconstruction and Development | 5.875 | 09-01-93 | 15,000,000 | 14,920,436 | 10,687,500 |
| Kansas Power and Light Company | 4.750 | 09-01-91 | 2,000,000 | 2,000,000 | 1,240,000 |
| Kerr Glass Manufacturing Company | 10.750 | 07-01-87 | 3,082,000 | 3,082,000 | 3,066,590 |
| Lachmar | 14.000 | 12-31-89 | 5,000,000 | 5,000,000 | 5,700,000 |
| Long Island Lighting Company | 9.250 | 11-01-82 | 5,000,000 | 5,000,000 | 4,896,900 |


|  | Interest Rate |
| :---: | :---: |
| Corporate Securities - Bonds (Continued) |  |
| Long Island Lighting Company | 4.400\% |
| Michigan-Wisconsin Pipeline Company | 8.125 |
| Natural Gas Pipeline of America | 8.200 |
| New York Telephone Company | 4.500 |
| Northern California Savings and Loan A ssociation | 12.500 |
| Northern Illinois Gas Company | 8.750 |
| Northern States Power Company | 6.500 |
| Ohio Edison Company | 4.750 |
| Pacific Gas and Electric Company | 5.000 |
| Peoples Gas Light and Coke . . . . | 5.375 |
| Philadelphia Electric Company | 2.750 |
| Philadelphia Electric Company | 5.000 |
| Public Service Company of Indiana Incorporated | 8.875 |
| Public Service Electric and Gas Company | 4.875 |
| Public Service Electric and Gas Company | 8.500 |
| Public Service Electric and Gas Company | 12.000 |
| Rochester Telephone Company . . . . | 2.500 |
| Southern California Edison Company | 4.375 |
| Southern California Edison Company | 4.500 |
| Southern California Edison Company | 5.250 |
| Southern California Edison Company | 8.125 |
| Southern California Edison Company | 8.875 |
| Southern Pacific Transportation | 8.200 |
| Southern Railway Company | 8.500 |
| Talman Federal Savings and Loan Association | 8.375 |
| Texas Power and Light Company | 9.375 |
| Tucson Gas and Electric Company | 4.700 |
| Twelve Federal Land Banks . . . . | 7.350 |
| Twelve Federal Land Banks | 8.200 |
| Twelve Federal Land Banks | 7.350 |
| Union Electric Company | 4.750 |
| Valley Federal Savings and Loan Association | 8.125 |
| Virginia Electric and Power Company | 3.875 |
| Virginia Electric and Power Company | 4.875 |
| Washington Gas Light Company | 4.500 |
| West Penn Power Company | 8.500 |
| Wisconsin Electric Power Company | 8.875 |
| Wisconsin Power and Light Company | 8.875 |
| World Savings and Loan A ssociation | 7.950 |

TOTAL

Maturity
Date

04-01-93 07-01-89 080186 08-01-86 02-01-85 07-01-01 10-01-97 06-01-91 06-01-91 07-15-91 12-01-81 10-01-89 10-01-08 09-01-87 03-01-04 11-01-09 04-01-81 09-01-85 02-15-90 05-15-91 10-15-94 12-01-01 10-15-01 04-15-83 02-01-09 11-01-91 10-20-83 01-22-90 01-20-97 09-01-90 11-01-83 06-01-88 06-01-91 06-01-87 12-01-07 05-15-08 05-01-06 12-15-82

| Par | Book | Market |
| ---: | :---: | :---: |
| Value | Value | Value |
|  |  |  |
| $\$ 2,000,000$ | $2,000,000$ | $1,107,500$ |
| $2,500,000$ | $2,537,727$ | $2,157,825$ |
| $5,000,000$ | $5,000,000$ | $4,462,500$ |
| $4,040,000$ | $3,351,191$ | $2,626,000$ |
| $5,000,000$ | $5,000,000$ | $5,293,750$ |
| $5,000,000$ | $4,754,066$ | $3,800,000$ |
| $5,400,000$ | $3,675,667$ | $3,486,402$ |
| $3,910,000$ | $3,263,347$ | $2,360,663$ |
| $5,335,000$ | $4,532,321$ | $3,494,425$ |
| $2,960,000$ | $2,960,000$ | $2,060,752$ |
| 100,000 | 99,564 | 93,500 |
| $4,255,000$ | $3,685,310$ | $2,691,288$ |
| $5,000,000$ | $4,939,211$ | $4,131,250$ |
| $2,450,000$ | $2,165,162$ | $1,701,231$ |
| $6,000,000$ | $6,142,355$ | $4,687,500$ |
| $5,000,000$ | $4,987,680$ | $5,100,000$ |
| 250,000 | 249,839 | 236,875 |
| $2,600,000$ | $2,328,176$ | $2,002,000$ |
| $1,725,000$ | $1,450,977$ | $1,069,500$ |
| $4,265,000$ | $3,703,353$ | $2,750,925$ |
| $2,955,000$ | $2,837,562$ | $2,304,900$ |
| $5,000,000$ | $5,151,189$ | $3,975,000$ |
| $5,000,000$ | $5,000,000$ | $3,600,000$ |
| $5,000,000$ | $4,989,353$ | $3,531,250$ |
| $5,000,000$ | $5,000,000$ | $4,750,000$ |
| $5,000,000$ | $4,978,631$ | $4,543,750$ |
| $2,000,000$ | $2,000,000$ | $1,222,500$ |
| $1,555,000$ | $1,392,945$ | $1,451,981$ |
| $7,540,000$ | $7,402,815$ | $6,569,225$ |
| $10,250,000$ | $7,091,839$ | $7,764,375$ |
| $3,880,000$ | $3,265,964$ | $2,381,350$ |
| $5,000,000$ | $4,992,813$ | $4,740,650$ |
| $1,688,000$ | $1,402,504$ | $1,042,340$ |
| $2,760,000$ | $2,324,623$ | $1,678,439$ |
| $1,446,000$ | $1,446,000$ | $1,046,543$ |
| $5,000,000$ | $5,000,000$ | $3,825,000$ |
| $10,000,000$ | $9,976,764$ | $8,075,000$ |
| $4,500,000$ | $4,531,159$ | $3,664,710$ |
| $5,000,000$ | $5,000,000$ | $4,743,750$ |
| $66,304,600$ | $585,010,387$ | $523,546,563$ |
|  |  |  |


| A. E. Staley Manufacturing Company | 8.875\% |
| :---: | :---: |
| American Telephone and Telegraph Company | 4.375 |
| American Telephone and Telegraph Company | 0.375 |
| American Telephone and Telegraph Company | 4.750 |
| American Telephone and Telegraph Company | 4.625 |
| American Telephone and Telegraph Company | 5.625 |
| American Telephone and Telegraph Company | 4.375 |
| American Telephone and Telegraph Company | 4.375 |
| Armco Steel Corporation | 8.500 |
| Associates Corporation of North America | 4.625 |
| Bankamerica Corporation | 8.750 |
| Beneficial Finance Company | 4.500 |
| Beneficial Finance Company | 4.450 |
| Bethlehem Steel Corporation | 8.450 |
| Canadian National Railway Company | 9.700 |
| Caterpillar Tractor Company . | 8.600 |
| Charter New York Corporation | 8.500 |
| C. I. T. Financial Corporation | 6.375 |
| C. I. T. Financial Corporation | 4.625 |
| C. I. T. Financial Corporation | 8.800 |
| Cities Service Gas Company . | 8.250 |
| Clark Equipment Credit Corporation | 4.875 |
| Columbia Gas System Inc. | 9.625 |


|  |  |  |  |
| ---: | ---: | ---: | ---: |
| $06-01-01$ | $\$ 5,000,000$ | $4,957,995$ | $4,000,000$ |
| $04-01-85$ | $3,310,000$ | $2,994,338$ | $2,726,613$ |
| $06-01-90$ | $5,000,000$ | $5,000,000$ | $5,090,650$ |
| $11-01-92$ | $4,000,000$ | $3,197,297$ | $2,545,000$ |
| $02-01-94$ | $6,000,000$ | $5,498,922$ | $3,558,780$ |
| $08-01-95$ | $3,340,000$ | $2,781,687$ | $2,227,379$ |
| $10-01-96$ | $1,150,000$ | 839,100 | 618,125 |
| $05-01-99$ | $8,531,000$ | $7,432,107$ | $4,521,430$ |
| $09-01-01$ | $5,000,000$ | $4,987,287$ | $3,981,250$ |
| $04-01-85$ | $5,470,000$ | $4,874,785$ | $4,184,550$ |
| $05-01-01$ | $10,000,000$ | $9,916,540$ | $8,250,000$ |
| $03-01-92$ | $5,000,000$ | $4,433,540$ | $2,991,350$ |
| $06-01-88$ | $1,000,000$ | 842,333 | 676,840 |
| $03-01-05$ | $10,000,000$ | $10,000,000$ | $7,556,300$ |
| $07-15-04$ | $5,000,000$ | $4,987,968$ | $4,640,400$ |
| $05-01-99$ | $6,000,000$ | $6,000,000$ | $4,875,000$ |
| $06-01-02$ | $5,000,000$ | $5,000,000$ | $3,712,500$ |
| $10-01-86$ | $3,700,000$ | $3,494,104$ | $3,041,548$ |
| $05-01-89$ | $8,215,000$ | $6,986,075$ | $5,267,869$ |
| $03-15-93$ | $3,000,000$ | $2,352,582$ | $2,505,000$ |
| $06-01-91$ | $10,000,000$ | $10,000,000$ | $8,387,500$ |
| $12-01-83$ | $2,480,000$ | $2,310,309$ | $2,092,500$ |
| $11-01-89$ | $1,400,000$ | $1,254,484$ | $1,347,500$ |



Corporate Securities - Debentures (Continued)
$\begin{array}{lll}\text { Columbia Gas System Inc. } & \text {. . . . . . . . . . . . . } & 8.250 \% \\ \text { Columbia Gas System Inc. } & \text {. . . . . . . . . . } & \text {. }\end{array}$
Commonwealth Edison Company . . . . . . . . . . 12.500
Consolidated Natural Gas Company . . . . . . . . . 8.375

| Consolidated Natural Gas Company . . . . . . . . . |
| :--- |
| Consolidated Natural Gas Company . . . . . . . 8.625 |

Dow Chemical Company
8.500

Dow Chemical Company
8.625

Eltra Corporation
8.500
9

Federal Home Loan Mortgage Corporation
Federal National Mortgage Association . . . . . . . . . 7.300
Federal National Mortgage Association .
Federal National Mortgage Association .
Federal National M
Ford Motor Company
Ford Motor Credit Company . . . . . . . . . . . . . 8.700
Ford Motor Credit Company
Ford Motor Credit Corporation
General Motors Acceptance Corporation ....... 4.625
General Motors Acceptance Corporation ....... 4.875
General Motors Acceptance Corporation .
Household Finance Corporation
Household Finance Corporation
. 8.500
Household Finance Corporation . . . . . . . . . . . . . 6.375
International Harvester Credit Corporation ........ 7.625
International Harvester Credit Corporation.

| Internorth Incorporated . . . . . . . . . . . . . . . . . . . . . . 10.750 |
| :--- |
| 4.500 |

John Deere Credit Corporation
5.000

Marine Midland Banks Incorporated
Marine Midland Banks Incorporated ............. 7.625
Masco Corporation .
Memorex Corporation
Monsanto Corporation . . . . . . . . . . . . . . . . . . 8.500
Mountain Fuel Supply Company
New England Telephone and Telegraph Company
New England Telephone and Telegraph Company
Ohio Bell Telephone Company
Pacific Telephone and Telegraph Company
Philadelphia Electric Company
Pittsburgh Plate Glass Industries Incorporated Province of Ontario Canada
Quebec Hydro Electric Commission
Southern Bell Telephone and Telegraph Company
Southwestern Bell Telephone Company . . . . . .
Southwestern Bell Telephone Company
Standard Oil of California
Studebaker Worthington Incorporated
Swift and Company
Texas Instruments Incorporated
Travelers Corporation
Twelve Federal Intermediate Credit Bank
Union Carbide Corporation
Union Oil Company of California
United Gas Pipeline
W. T. Grant

Westinghouse Electric Corporation ....... 8.7525
Westinghouse Electric Credit Company
TOTAL
(O)RPORAIF SI-CURITIIS VOIIS

$03-01-87$
$03-01-87$
$09-01-83$
$07-10-80$
$07-31-80$
$03-30-82$
$04-09-93$
$11-01-87$
$06-01-87$
$\$ 5,000,000$
$5,000,000$
800,000
$5,000,000$
$5,000,000$
$5,000,000$
$1,726,633$
$1,850,000$
$3,000,000$

| $5,000,000$ | $4,400,000$ |
| ---: | ---: |
| $4,987,490$ | $4,331,250$ |
| 800,000 | 746,000 |
| $4,989,375$ | $4,958,680$ |
| $4,949,583$ | $4,847,069$ |
| $5,000,000$ | $4,768,000$ |
| $1,726,633$ | $1,385,623$ |
| $1,850,000$ | $1,267,250$ |
| $3,000,000$ | $2,167,500$ |

Original from



CORPORATF SFCURITIES
EQLIPMI VI TRUST CHRTIFICATFS

| General American Transportation Corporation | 8.500\% |
| :---: | :---: |
| Louisville and Nashville Railroad | 12.300 |
| Pullman Transport Leasing Corporation | 7.750 |
| Seaboard Coastline Railroad Company | 11.375 |
| Union Tank Car Company | 9.300 |
| Union Tank Car Company | 9.800 |


| $03-01-94$ | $\$ 7,000,000$ | $7,000,000$ | $5,705,000$ |
| ---: | ---: | ---: | ---: |
| $02-01-95$ | $5,000,000$ | $5,000,000$ | $5,307,950$ |
| $05-01-93$ | $10,000,000$ | $10,000,000$ | $8,325,000$ |
| $05-1595$ | $5,000,000$ | $4,973,587$ | $5,200,000$ |
| $11-15-89$ | $2,500,000$ | $2,500,000$ | $2,369,875$ |
| $06-01-99$ | $10,000,000$ | $10,000,000$ | $9,981,700$ |
|  | $\mathbf{\$ 3 9 , 5 0 0 , 0 0 0}$ | $\mathbf{3 9 , 4 7 3 , 5 8 7}$ | $\mathbf{3 6 , 8 8 9 , 5 2 5}$ |
| Original from |  |  |  |
|  | UNVERSITY OF ILLINOIS AT |  |  |
| URBANA-CHAMPAIGN |  |  |  |




TOTAL
GOVERNMENT NATIONAL


## PLANI SURMARN

A. Purpose

The Teachers' Retirement System (TRS) was established on July 1, 1939 by the Illinois General Assembly to provide retirement allowances and other benefits for teachers, annuitants and beneficiaries. This system superseded a previous retirement fund established on May 27, 1915.
B. Administration

TRS is governed by a nine-member Board of Trustees comprised of the State Superintendent of Education, four members of the System elected by the members and annuitants of the System and four members from the public sector appointed by the Governor.

The Board appoints an Executive Director who is responsible for all administrative functions and supervision of staff employees. The Board also appoints an actuary, investment counsel and legal counsel.
C. Membership

All teachers who are employed under
one of the following conditions in the public common schools of Illinois (outside of Chicago) are members.

- Full-time teachers employed at least four clock hours per day, daily.
- Teachers employed less than full-time, on a permanent and continuous basis, whose services are expected to be rendered for a full and complete school year.

In addition, a member who meets the qualifying conditions may verify and have additional service credit recorded for the following types of service.

- Substitute teaching
- Leaves of absence
- Part-time employment completed prior to 1969
- Out of State teaching
- Military service
- Unused accumulated sick leave

D. Contributions

Every teacher, meeting the qualifying conditions for membership, is required to contribute to the System. The current contribution rate is $8 \%$ of gross earnings. These contributions, upon receipt, are credited to separate reserves for the following purposes:

- $61 / 2 \%$ of gross earnings for retirement purposes.
- $1 / 2 \%$ of gross earnings for post-retirement increases.
- $1 \%$ of gross earnings for survivor benefits.


## E. Sumivor Benefits

1. Definitions

- Dependent Beneficiary - a spouse; an unmarried child under the age of 18 ; or parents who received onehalf of their support from the member.
- Non-dependent Beneficiary - any individual (other than dependent beneficiaries), organization, or the member's estate. Must be designated by the member.
- Average salary - the average of the four highest consecutive annual salary rates within the last ten years of creditable service.
- Accumulated contributions - all contributions (except $1 \%$ survivor benefit amount) made by the member, plus interest.
- Retirement - being in receipt of an age or disability retirement allowance.
- Inactive member - person who terminated teaching, for reasons other than retirement, more than one year prior to death.

2. Lump sum settlement

Payable if death occurs: while employed
as a teacher; during the first year following termination of employment for reasons other than retirement; while in retirement. Non-dependent Beneficiaries are eligible only for this settlement. Dependent Beneficiaries may elect to receive this settlement or the monthly income explained elsewhere.

This settlement includes two cash amounts. These are:

- $1 / 6$ of the final salary rate times the number of full years of teaching with TRS.
(Minimum - $1 / 6$ of salary rate
Maximum - $6 / 6$ of salary rate)
- A return of accumulated contributions

3. Monthly income option

Payable only to Dependent Beneficiaries provided the member had established $11 / 2$ years of credit with TRS at the time of death. A spouse with no minor children must be age 50 to receive the monthly income.

This settlement includes three cash amounts: These are:

- A one-time payment of $\$ 1,000$.
- The appropriate monthly income subject to maximums of $\$ 300$ per month for one Dependent Beneficiary and $\$ 500$ per month for two or more Dependent Beneficiaries. (Exception: TRS will pay $50 \%$ of the member's earned monthly retirement allowance if greater than the above maximums).
- A return of accumulated contributions.
F. Disability Benefits

Teachers who become disabled while em-
ployed as a teacher or within 90 days after such employment may qualify for disability benefits. However, no benefit can be paid for periods the member has a right to receive salary (including sick leave from the employer).

A Temporary Disability Benefit is available to teachers who are not eligible for an Age Retirement Allowance and have a minimum of three years of service. A Permanent Disability Benefit is available to teachers who are not eligible for an Age Retirement Allowance and have received a Temporary Disability Benefit for the maximum eligible period. An Accidental Disability Benefit is available to teachers under age 65 who are disabled due to a duty-related accident or illness.

1. Benefit amounts

- Temporary disability - $40 \%$ of current salary.
- Permanent disability - $35 \%$ of last salary for most cases; however, there are conditions which would require a calculation similar to the one used in determining an Age Retirement Allowance.
- Accidental disability - $60 \%$ of current salary offset by any amounts paid under a workmen's compensation program.

2. Effective date of benefits

- Temporary Disability Benefits begin on the later of: 31st calendar day of absence from duty; day following last day for which salary is payable; or date notification is received, if more than 90 days after commencement of disability.
- Permanent Disability Benefits begin on the day following the last day for which temporary disability is paid.
- Accidental Disability Benefits begin
on the later of: day following the last day for which salary is payable; or the date notification is received, if more than 90 days after commencement of disability.

3. Duration of benefits

- Temporary Disability Benefits cease when one of the following events first occurs: disability ceases; member attains age 65 ; member accepts any gainful employment; or benefits are paid for a period equal to onefourth of the member's creditable service.
- Permanent Disability Benefits are payable for the duration of disability or until re-employment as a teacher. Gainful employment other than teaching is permitted within limitations.
- Accidental Disability Benefits are payable until member is able to engage in any gainful employment or until the attainment of age 65 .
G. Retirement Allowance

A qualifying member may select one of two types of retirement allowances. The Life Annuity provides the largest allowance payable throughout the lifetime of the retiring member. The Reversionary Annuity reduces the member's earned allowance to provide a monthly allowance, in addition to any benefits under Survivor Benefits Program, for a surviving designated beneficiary.

## 1. Eligibility

A member qualifies for a retirement allowance after completing one of the following combinations of attained age and years of service:

- age 62 with 5 years.
- age 60 with 10 years.
- age 55 with 20 years.

A member retiring between the ages of 55 and 60 with 20 or more, but less than 35 years of credit, will receive an allowance reduced at the rate of $1 / 2 \%$ for each month the member is less than age 60, unless the Early Retirement Option is utilized.
2. Calculation of benefit

A retirement allowance is determined by two factors. The first is the average salary. This is the average of the four highest consecutive annual salary rates within the last ten years of creditable service. Each annual salary rate used cannot exceed the previous year's fulltime rate by more than $20 \%$.

The second factor is the percentage of the four-year average to which the member is entitled. This percentage is determined by formula based upon the years of creditable service as follows:

- $1.67 \%$ for each of the first 10 years, plus
- $1.9 \%$ for the next 10 years, plus
- $2.1 \%$ for the next 10 years, plus
- $2.3 \%$ for each year over 30 years of credit.

The maximum allowance, $75 \%$ of average salary, is attained with 38 years of service. In determining the member's actual allowance TRS will use total credit (including fractional years) and will use the member's exact age if the early retirment discount is applicable.
3. Early Retirement Option

A member may avoid the early retirement discount if the following conditions are met: (a) retirement occurs after June 1, 1980 and before June 30, 1985; (b) retirement occurs within six months of the last day of teaching for which retirement contri-
butions are required; (c) the member and the employer each make a one-time contribution to the System.
The required contributions are determined as a percentage of the retiring member's last full-time salary rate, or if not full-time then the full-time equivalent as follows:

| Member's <br> Age | \% By <br> Member |  | $\%$ By <br> Employer |
| :---: | :---: | :---: | :---: |
| Age 55 <br> 56 |  | $35 \%$ |  |
| 57 | 28 |  | $100 \%$ |
| 58 |  | 14 | 80 |
| 59 | 7 |  | 60 |
| 59 |  | 20 |  |

This option may be limited at the discretion of the employer to a specified percentage, not lower than $30 \%$ of those eligible. The right to participate must be allocated on the basis of seniority in the service of the employer.
II. Post-retirement Increases

TRS provides increases in the original age or disability retirement allowance at the rate of $3 \%$ per year. The initial increase is payable, the later of:

- January 1 , following the attainment of age 61 .
- January 1 , following the first anniversary in retirement.
I. Refunds

TRS will refund a member's contributions provided the member has officially resigned from employment and the application is submitted not earlier than four months after termination of employment. The refund consists of all retirement contributions made by the member except for the $1 \%$ survivor benefit contribution.
J. Reciprocal Act

TRS is included in the provisions of the Retirement Systems' Reciprocal Act which assures continuous pension credit for public employment in Illinois. Those wishing additional information should contact TRS at the Springfield office.

