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## ANNUAL REPORT

OF THE

## Teachers' Retirement Board

## FOR THE

YEAR ENDING DECEMBER 31, 1936

## DEPARTMENT OF EDUGATION

State House, Boston
JAMES G. REARDON, Commissioner of Education

Members of Advisory Board
The Commissioner of Education, Chairman, ex officio Term expires
1937. Thomas H. Sullivan, Slater Building, Worcester 1937. Alexander Brin, 319 Tappan Street, Brookline
1938. Mrs. Anna M. Power, 15 Ashland Street, Worcester
1938. Miss Mary E. Murray, 1 Merrill St., Cambridge
1939. P. A. O'Connell, 155 Tremont Street, Boston
1939. Roger L. Putnam, 132 Birnie Avenue, Springfield

George H. Varney, Business Agent
William J. O'Keefe, Supervisor of Office Organization

Teachers' Retirement Board<br>CLAYTON L. LENT, Secretary<br>[Offices: 100 Nashua Street, Boston]

Members of Board<br>James G. Reardon, Chairman, State House, Boston Harry Smalley, Fall River<br>Elizabeth F. Wassum, Springfield

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## TWENTY-THIRD ANNUAL REPORT OF THE TEACHERS' RETIREMENT BOARD

## To the Honorable Senate and House of Representatives:

The Teachers' Retirement Law was amended at the last session of the Legislature, reducing the number of years of service required for retirement on account of permanent disability before age sixty from twenty years to fifteen years. A minimum retiring allowance of $\$ 400$ was also established for teachers retired on account of disability who have to their credit at the time of retirement the assessments with interest thereon for service for a period of fifteen years.

The Teachers' Retirement Board has estimated that it will be necessary that the State appropriate the following amounts for the fiscal year ending November 30, 1937:

Pensions to retired members and to make good any deficit in the annuity fund
$\$ 1,240,000.00$
Reimbursement of cities and towns on account of pensions paid
under local systems
Administration expenses .
20,580.00
\$1,540,198.14
The rate of assessment for the school year beginning July 1, 1936, was fixed at $5 \%$ of the annual salary of each member, subject to the provision of the law which requires that the minimum annual assessment shall be $\$ 35$ and the maximum annual assessment $\$ 100$. Notice has been given by the Board of its intention to continue this rate for the school year beginning July 1, 1937.
In accordance with the provisions of the retirement law, 1,023 teachers who entered the service for the first time were enrolled as members of the Retirement Association. There were also 116 teachers who served in the public schools of Massachusetts prior to July 1, 1914, who joined the Association by paying their back assessments with interest. On December 31, 1936, there were 20,408 active members, of whom 3,782 were teachers who served in Massachusetts prior to July 1, 1914, and voluntarily joined the Retirement Association and 16,626 were teachers who entered the service of this State for the first time since that date and were required to join.

Interest at the rate of $31 / 2 \%$ was credited to the accounts of the members on December 31, 1936. The total interest credited for the year to the members' accounts and the annuity reserve fund amounted to $\$ 928,849.14$.

The total deposits for the year amounted to $\$ 1,888,851.51$. Payments amounting to $\$ 487,926.89$ were made on account of members who left the service of the public schools of Massachusetts. Of this amount, $\$ 398,225.48$ was contributions and the balance, $\$ 89,701.41$, was interest. Payments for the year amounting to $\$ 159,323.70$ were made to the estates of deceased members.

The income over disbursements amounted to $\$ 2,064,547.37$. On December 31, 1936 the gross assets were $\$ 28,559,585.53$ and the total liabilities amounted to $\$ 27,904,612.15$, leaving a surplus of $\$ 654,973.38$.

One hundred ninety-two teachers retired during the year 1936, their annual retiring allowances amounting to $\$ 172,813.40$. Of this amount, $\$ 46,855.60$ was annuity derived from the contributions made by these members before retirement and the balance was pension paid from State appropriations. The retirements for the year were as follows: On account of disability before attaining the age of sixty, 9 ; voluntary retirements, ages sixty to sixty-nine, 124 ; compulsory retirements at age seventy, 59 .

The following table gives statistics relating to the 192 members retired in 1936:

| Retirements | Number <br> of Retire- <br> ments | Average <br> Age at Re- <br> tirement | Average <br> Length of <br> Service | Average <br> Salary Last <br> 5 Years | Average <br> Annuity | Average <br> Pension | Average <br> Retiring <br> Allowance |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Before age 60 on ac- <br> count of disability | 9 | 56.00 | 27.64 | $\$ 2,494.26$ | $\$ 180.72$ | $\$ 389.91$ | $\$ 570.63$ |
| At age 60 or over, with- <br> out credit for prior | 10 | 67.40 | 17.84 | $2,306.68$ | 252.02 | 267.69 | 519.71 |
| service* <br> At age 60 or over, with <br> credit for prior serv- <br> ice* | 10 | 66.13 | 39.11 | $\mathbf{1 , 9 2 3 . 1 6}$ | 246.87 | 692.32 | 939.19 |

*Teachers who served in Massachusetts prior to July 1, 1914, who have at the time of retirement 15
years of service in this State, the last 5 of which are continuous, receive a pension from the State based on their total service in Massachusetts.

Of the 173 teachers retired during the year at the age of sixty or over with credit allowance for service prior to July 1, 1914, 93 received the maximum pension payable under the retirement law and only one received the minimum pension. Thirteen of these 173 teachers had served in the public schools of Massachusetts for fifty years or more.

On December 31, 1936 there were 1,783 retired members living who retired at the age of sixty or over and the average retiring allowance for these members was $\$ 792.34$. There were 98 retired members living who were retired on account of disability before age sixty. The average retiring allowance for these members was $\$ 403.06$. There were, therefore, 1,881 retired members living on December 31, 1936 , their retiring allowances amounting to $\$ 1,452,250.56$, of which $\$ 1,160,584.56$ is pension paid from State appropriations and $\$ 291,666.00$ is annuity.

There are 1,598 members of the Retirement Association who during 1937 will be eligible to retire at the age of sixty or over, 54 of whom will be required to retire at the compulsory age of seventy.

Respectfully submitted,
JAMES G. REARDON, Chairman, HARRY SMALLEY
ELIZABETH F. WASSUM

## Statement for the Year Ending December 31, 1936, Made to the Commissioner of Insurance by the Secretary of the Teachers' Retirement Board. Income

$\$ 1, \varepsilon 3032823$
Members' deposits .
54,184.16
Deposits of teachers who are accumulating the amount due for membership

4,339.12
Deposits transferred from State Employees' Retirement Association
Deposits and interest used to purchase membership for teachers who have been accumulating the amount due for membership
Members' deposits and interest used to purchase annuities
51,714.67
467,291.63
Interest received on investments (less $\$ 24,339.59$ accrued interest paid on securities purchased during the year)
$1,154,856.18$
Received from Commonwealth:
For payment of pensions to retired members $\quad \$ 1,115,760.44$
For reimbursement of cities and towns
270,981.73
For administration expenses
16,868.47
For deficit in Annuity Fund for retired members for the year 1935

21,880.52
1,425,491.16
Total income
$\$ 4,988,205.15$

## Disbursements

Deposits refunded, including interest, to members withdrawing from teaching service
$\$ 469,918.47$
Deposits refunded, including interest, to estates of members who died before retirement

133,507.09
Balance of deposits and interest refunded to estates of deceased annuitants who elected a refund annuity

25,816.61
Transferred to State Employees' Retirement Association for members who entered the State service

18,008.42
Deposits and interest used to purchase membership for teachers who have been accumulating the amount due for membership .
Members' deposits and interest used to purchase annuities
51,714.67
Investment Expenses
467,291.63
Net decrease in book value of securities
Payments to retired members:
Pensions paid from funds appropriated by the Commonwealth
$\$ 1,115,760.44$
Annuities paid from funds to the credit of retired members at the time of their retirement

270,125.71

Reimbursement of cities and towns on account of pensions paid to teachers retired subsequent to July 1, 1914:

| Boston | . | . | . | . | . | . |
| :--- | :--- | :--- | :--- | :--- | :--- | ---: |
| Brookline | . | . | . | . | . | . |
| Cambridge | . | . | . | 168.20 |  |  |
| Milton | . | . | . | . | $1,000.00$ |  |
| Wellesley | . | . | . | . | . | . |
| $1,000.00$ |  |  |  |  |  |  |

$1,385,886.15$
$270,981.73$
Administration expenses for calendar year 1936:
Salaries of employees
11,932.00
Sundry contingent expenses
4,936.47

| Investments, par value (Schedule A) $\$ 26,823,911.62$; amortized value | \$28,043,493.43 |
| :---: | :---: |
| Cash | 95,009.60 |
| Interest due and unpaid | 1,765.00 |
| Accrued interest on investments | 384,427.68 |
| Due from Commonwealth on account of deficit in Annuity Fund for retired members for the year 1936 | 34,889.82 |
| Gross assets | \$28,559,585.53 |

## Liabilities

Deposits of members in active service . . 18,765,129.64
Regular interest credited to same . . . 6,427,758.82
$25,192,888.46$
$\begin{array}{llr}\text { Deposits of teachers who are accumulating the } \\ \text { amount due for membership } & . & . \\ \text { Regular interest credited to same } & . & 120,973.86 \\ & . & 5,462.62\end{array}$
Deposits of members who have withdrawn from
the service of the public schools without re-
questing a refund of the amount to their
credit
Regular interest credited to same.
Due representatives of deceased members 189,239.15
Annuity reserve and amount due estates of deceased annitants 2,34,044.82
Estimated interest to be credited on deposits received in 1936
2,344,003.24
27,000.00
Surplus
654,973 38
Total liabilities
$\$ 28,559,585.53$

## Membership Exhibit

Membership December 31, 1935 . . $\quad$ 22,037
Voluntary members admitted to Retirement Association during 1936
Teachers required by law to become members . . . . 1,023
Reinstated . . . . . . . . . . 130

Number deceased during the year 1936 . . 150
Number left service . . . . . 852
Transferred to State Employees' Retirement Association . 15

Membership December 31, 1936
22,289
I hereby certify that the above statement is a complete and correct exhibit of the financial condition of the Teachers' Retirement System of the Commonwealth of Massachusetts on the thirty-first day of December, 1936.

Clayton L. Lent, Secretary, Teachers' Retirement Board.

## Statement for the Year Ending December 31, 1936, made to the Secretary of the Teachers' Retirement Board in Compliance with the Provisions

 of Paragraph (5), Section 14, Chapter 32 of the General Laws.
## Income

Received from the secretary of the Teachers' Retirement Board $\quad \$ 1,888,851.51$
Received from Commonwealth on account of deficit in Annuity Fund for retired members for year 1935
Interest received on investments (less $\$ 24,339.59$ accrued interest paid on securities purchased and exchanged during year)

1,154,856.18
Total receipts $\dot{\cos }$. . . . . . $\$ 3,065,588.21$
Ledger assets December 31, 1935 $\$ 25,171,655.77$

Total . . . . . . . . . . $\$ 28,237,243.98$

## Payments

Annuities
\$270,125.71
Balance of deposits and interest refunded to estates of deceased annuitants who elected a refund annuity

25,816.61
Deposits refunded to members withdrawing from the teaching service and to estates of members who died before retirement . 603,425.56
Transferred to Retirement Fund for State Employees . . 18,008.42
Premium on securities purchased (less $\$ 1,681.92$ discount) . . $400,938.46$
Investment expenses

## Total payments

\$1,318,322.76
Balance . . . . . . . . . . $\$ 26,918,921.22$
Assets
Investments, par value (Schedule A) . . . . . $\$ 26,823,911.62$
Cash
95,009.60
Total assets
$\$ 26,918,921.22$
I hereby certify that the above is a correct exhibit of the financial condition of the Teachers' Retirement System of the Commonwealth of Massachusetts on the thirty-first day of December, 1936.

Charles F. Hurley,
Treasurer and Receiver General.

## Comparative Membership and Financial Statements

Membership Exhibit

| Year Ending | $\underset{\text { Year }}{\text { Enrolled }}$ |  |  | Members in Active Service |  |  |  | M.embers on Retired List. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Voluntary. | $\begin{gathered} \text { Com- } \\ \text { pulsory. } \end{gathered}$ | Total. | Voluntary. | $\begin{gathered} \text { Com- } \\ \text { pulsory. } \\ \hline \end{gathered}$ | Total. |  |  |
| Dec. 31, 1914 ${ }^{1}$ | 6,185 | 1,187 | 7,372 | 6,037 | 1,170 | 7,207 | 130 | 129 |
| Dec. 31, 1915 | 142 | 1,562 | 1,704 | 5,954 | 2,472 | 8,426 | 66 | 186 |
| Dec. 31, 1916 | 99 | 1,591 | 1,690 | 5,822 | 3,619 | 9,441 | 46 | 226 |
| Dec. 31, 1917 | 103 | 1,659 | 1,762 | 5,676 | 4,571 | 10,247 | 76 | 287 |
| Dec. 31, 1918 | 80 | 1,902 | 1,982 | 5,453 | 5,386 | 10,839 | 65 | 338 |
| Dec. 31, 1919 | 94 | 1,771 | 1,865 | 5,283 | 6,319 | 11,602 | 56 | 380 |
| Dec. 31, 1920 | 137 | 2,123 | 2,260 | 5,237 | 7,474 | 12,711 | 55 | 409 |
| Dec. 31, 1921 | 87 | 2,056 | 2,143 | 5,110 | 8,528 | 13,638 | 97 | 487 |
| Dec. 31, 1922 | 127 | 2.048 | 2,175 | 5,044 | 9,541 | 14,585 | 93 | 558 |
| Dec. 31, 1923 | 84 | 2,030 | 2,114 | 4,934 | 10,362 | 15,296 | 81 | 608 |
| Dec. 31, 1924 | 80 | 2,029 | 2,109 | 4,844 | 11,244 | 16,088 | 92 | 667 |
| Dec. 31, 1925 | 99 | 2,069 | 2,168 | 4,769 | 12,162 | 16,931 | 114 | 750 |
| Dec. 31, 1926 | 121 | 1,987 | 2,108 | 4,694 | 12,963 | 17,657 | 139 | 852 |
| Dec. 31, 1927 | 105 | 1,925 | 2,030 | 4,607 | 13,666 | 18,273 | 135 | 950 |
| Dec. 31, 1928 | 82 | 1,733 | 1,815 | 4,488 | 14,245 | 18,733 | 141 | 1,054 |
| Dec. 31, 1929 | 113 | 1,859 | 1,972 | 4,401 | 14,836 | 19,237 | 151 | 1,158 |
| Dec. 31, 1930 | 116 | 1,717 | 1,833 | 4,331 | 15,522 | 19,853 | 150 | 1,253 |
| Dec. 31, 1931 | 124 | 1,439 | 1,563 | 4,259 | 15,954 | 20,213 | 157 | 1,345 |
| Dec. 31, 1932 | 110 | 686 | 796 | 4,169 | 15,829 | 19,998 | 162 | 1,448 |
| Dec. 31, 1933 | 112 | 705 | 817 | 4,032 | 15,767 | 19,799 | 203 | 1,572 |
| Dec. 31, 1934 | 132 | 1,056 | 1,188 | 3,953 | 16,060 | 20,013 | 174 | 1,671 |
| Dec. 31, 1935 | 139 | 1,104 | 1,243 | 3,888 | 16,385 | 20,273 | 178 | 1,764 |
| Dec. 31, 1936 | 130 | 1,023 | 1,153 | 3,782 | 16,626 | 20,408 | 192 | 1,881 |

Financial Statement

| Year Ending | Total <br> Deposits <br> Received during Year. | Interest Credited during Year to Members' Accounts. | Interest Credited to Annuity Reserve. | Deposits with Interest of Retiring Members Used to Purchase Annuities. | Annuity Reserve for Payment of Annuities to Retired Members. | $\begin{aligned} & \text { Gross } \\ & \text { Assets. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec. 31, 1 | \$113,153 34 | \$217 20 |  | \$120 85 | \$108 41 | \$113,499 59 |
| Dec. 31, 1915 | 336,679 34 | 7,369 17 | $\$ 5341$ | 3,162 78 | 3,187 89 | 457,910 14 |
| Dec. 31, 1916 | 376,998 65 | 22,504 79 | 19234 | 4,179 83 | 7,017 09 | 824,105 89 |
| Dec. 31, 1917 | 437,222 85 | 37,996 54 | 50186 | 10,662 28 | 16,876 89 | 1,242,582 53 |
| Dec. 31, 1918 | 477,475 66 | 54,06860 | 86993 | 12,585 45 | 27.59769 | 1,680,036 81 |
| Dec. 31, 1919 | 578,891 19 | 71,470 87 | 1,358 88 | 15,335 59 | 41,117 49 | 2,199,645 49 |
| Dec. 31, 1920 | 808,581 60 | 106,283 35 | 2,162 28 | 18,145 19 | 53,544 77 | 2,927,277 16 |
| Dec. 31, 1921 | 946,838 94 | 141,775 11 | 3,140 42 | 42,629 84 | 90,494 24 | 3,842,384 60 |
| Dec. 31, 1922 | 1,046,830 56 | 181,121 85 | 4,85587 | 46,523 99 | 129,281 94 | 4,854,410 54 |
| Dec. 31, 1923 | 1,124,966 56 | 224,065 18 | 6,599 64 | 50,272 15 | 162,483 88 | 5,910,775 86 |
| Dec. 31, 1924 | 1,235,971 82 | 270,453 78 | 8,413 48 | 65,302 53 | 212,529 98 | 7,109,106 44 |
| Dec. 31, 1925 | 1,324,926 82 | 321,424 79 | 10,901 56 | 89,067 59 | 278,403 73 | $8,439,04309$ |
| Dec. 31, 1926 | 1,464,499 93 | 375,888 30 | 14,591 98 | 128,634 29 | 382,064 25 | 9,861,094 02 |
| Dec. 31, 1927 | 1,546,326 95 | 431,24017 | 19,459 39 | 148,187 39 | 491,467 68 | 11,314,665 92 |
| Dec. 31, 1928 | 1,594,173 83 | 493,21185 | 24,688 17 | 171,189 41 | 621,999 74 | 12,894,703 27 |
| Dec. 31, 1929 | 1,649,353 25 | 558,111 15 | 30,671 57 | 204,429 64 | 769,444 53 | 14,516,715 81 |
| Dec. 31, 1930 | 1,741,211 02 | 624,752 26 | 36,071 86 | 225,613 64 | 920,130 46 | 16,279,606 06 |
| Dec. 31, 1931 | 1,825,165 06 | 696,074 86 | 42,68647 | 260,444 77 | 1,092,846 11 | 18,181,091 16 |
| Dec. 31, 1932 | 1,829,706 88 | 742,411 16 | 50,568 68 | 296,520 17 | $1,295,50938$ | 20,266,919 16 |
| Dec. 31, 1933 | 1,769,508 72 | 764,655 80 | 58,932 74 | 393,322 58 | 1,553,919 09 | 22,199,438 97 |
| Dec. 31, 1934 | 1,871,285 95 | 823,429 87 | 71,06440 | 386,809 86 | 1,811,952 62 | 24,298,675 49 |
| Dec. 31, 1935 | 1,917,608 94 | 787,66086 | 79,76627 | 401,029 41 | 2,050,292 91 | 26,479,649 88 |
| Dec. 31, 1936 | 1,888,851 51 | 841,377 94 | 87,471 20 | 467,291 63 | 2,344,003 24 | 28,559,585 53 |

Financial Statement-Cont.

| ear Ending | Payments on Account of Members Who Have Left. the Service. | Payments <br> Estates of Deceased Members. | Payments to Retired Members |  | Reimbursement of Cities and Towns for Pensions to Teachers under Local Systems. ${ }^{4}$ | $\begin{aligned} & \text { Expenses } \\ & \text { of } \\ & \text { Adminis- } \\ & \text { tration. } \end{aligned}$ | Total Cost to the State. ${ }^{2}$, |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Annuity. ${ }^{3}$ | Pension. ${ }^{4}$ |  |  |  |
| Dec. 31, $1914{ }^{1}$ | $\$ 1750$ |  | \$ 60 | \$18,412 74 |  |  | 8 |
| Dec. 31, 1915 | 2,241 42 | \$706 94 | 13671 | 56,473 29 |  | 7,377 57 | 63,85086 |
| Dec. 31, 1916 | 32,629 91 | 2,402 29 | 54297 | 75,608 38 | \$9,304 28 | 6,303 89 | 91,216 55 |
| Dec. 31, 1917 | 54,366 72 | 3,921 69 | 1,304 34 | 91,244 45 | 16,811 40 | 6,874 86 | 114,930 71 |
| Dec. 31, 1918 | 90,911 44 | 5,808 36 | 2,785 10 | 111,058 04 | 23,995 87 | 6,413 18 | 141,467 09 |
| Dec. 31, 1919 | 123,339 76 | 14,284 32 | 4,060 53 | 129,274 75 | 29,769 55 | 6,972 57 | 166,016 87 |
| Dec. 31, 1920 | 151,197 08 | 10,528 69 | 5,868 71 | 143,161 17 | 34,948 61 | 8,18489 | 186,294 67 |
| Dec. 31, 1921 | 169,¢75 27 | 11,444 97 | 10,111 82 | $177,072 \quad 57$ | 47,05933 | 9,564 82 | 233,696 72 |
| Dec. 31, 1922 | 207,035 74 | 24,228 31 | 14,077 61 | 245,079 04 | 56,590 87 | 10,422 49 | 312,093 30 |
| Dec. 51, 1923 | 265,761 00 | $35,27 \mathrm{E}$ <br> 26 <br> 24 <br> 13 <br> 18 | 17,962 11 | $\begin{array}{cc} 220,300 & 32 \\ 50 \end{array}$ | 73,02716 79,313 18 | $\left.\begin{array}{l}10,044 \\ 10,355 \\ 18\end{array}\right\}$ | $\begin{aligned} & 363,37184 \\ & 400.471 \end{aligned}$ |
| Dec. 31, 1924 | \|291,609 <br> 323,142 <br> 12 | 26,240 <br> 37,102 <br> 11 | 23,102 30,021 87 | $\begin{array}{lll}510,803 & 01 \\ 351,856 & 22\end{array}$ | 79,31318 95,009 41 | 10,355 <br> 11,178 <br> 18 <br> 18 | $\begin{array}{ll} 400,471 & 37 \\ 458,043 & 66 \end{array}$ |
| Dec. 31, 1926 | 352,305 35 | 51,383 93 | 40,882 75 | 408,898 28 | 108,783 01 | 10,778 77 | 528,460 06 |
| Dec. 31, 1927 | 451,040 75 | 47,781 39 | 55,036 51 | 471,529 70 | 126,169 54 | 12,183 23 | 609,882 50 |
| Dec. 31, 1928 | 386,770 98 | 77,591 72 | 71,303 09 | 535,159 97 | 138,569 21 |  | 686,509 69 |
| Dec. 31, 1929 | 476,315 04 | 50,307120 | 88,450 92 | 597,629 38 | 158,810 42 | $13,318 \quad 22$ | 769,758 02 |
| Dec. 31, 1930 | 504,164 43 | 73,11419 | 106,949 78 | 670,531 94 | 169,183 72 | 13,528 29 | 853,24395 |
| Der. 31, 1931 | 456,755 99 | 87,683 28 | 126,945 66 | 739,86291 | 193,367 39 | 15,753 42 | 959,947 25 |
| Dec. 31, 1932 | 365,369 20 | 87,353 54 | 148,304 14 | 804,999 91 | ${ }_{2}^{210,524} 88$ | $\begin{array}{ll} 15,201 & 89 \\ 15 \end{array}$ | $\begin{aligned} & 1,045,03443 \\ & 1,156,452 \\ & \hline \end{aligned}$ |
| Dec. 31, 1933 | $\left\|\begin{array}{ll} 421,196 & 48 \\ 425,844 & 42 \end{array}\right\|$ | $\begin{array}{lll} 119,240 & 54 \\ 140,435 & 37 \end{array}$ | $\begin{array}{ll} 176,227 & 20 \\ 206.800 & 17 \end{array}$ | $\begin{aligned} & 890,523 \\ & 971,286 \\ & 97 \end{aligned}$ | $\left.\begin{aligned} & 234,566 \\ & 246,962 \end{aligned} \mathbf{7 2} \right\rvert\,$ | $\left.\begin{aligned} & 15,365 \\ & 15,849 \\ & \mathbf{1 4} \\ & \mathbf{1 4} \end{aligned} \right\rvert\,$ | $\left\{\begin{array}{l} 1,156,452 \\ 1,236,610 \\ 31 \end{array}\right.$ |
| Dec. 31, 1934 | $\left\|\begin{array}{ll} 425,844 & 42 \\ 419,040 & 80 \end{array}\right\|$ | $\begin{aligned} & 140,435 \\ & 149,290 \\ & 143 \end{aligned}$ | $\begin{array}{lll} 206,800 & 17 \\ 237,773 & 95 \end{array}$ | $\left\lvert\, \begin{array}{cc} 971,286 & 37 \\ 1,043,058 & 30 \end{array}\right.$ | 246,962 <br> 260,584 <br> 86 | 15,849 <br> 16,583 <br> 14 <br> 168 | 1,236,610 31 |
| Dec. 31. 1936 | 487,926 89 | 159.3237 | 270,125 71 | $1,115,76044$ | 270,981 73 | 16,868 47 | 1,425,491 16 |

${ }^{1}$ Six months' period. Date of establishment of system, July 1, 1914.
${ }^{2}$ Including Contributions to make good deficits in Annuity Fund.
${ }^{3}$ From contributions made by members before retirement.
Paid from State appropriations.

## SCHEDULE A

Securities (Bonds and Notes)


SCHEDULE A-Continued

| Detroit, Mich. | . . . | 5 | \$26,000 | \$26,000.00 | \$112.50 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Detroit, Mich. | . . | 51/2 | 322,000 | 331,127.33 | 4,411.45 |
| Detroit, Mich. | . | 6 | 30,000 | 30,000.00 | 750.00 |
| Dubuque, Iowa | . . . | 4112 | 25,000 | 25,000.00 | 281.25 |
| Duluth, Minn. | . . . | $41 / 2$ | 25,000 | 25,718.30 | 562.50 |
| East Chelmsford, Mass. | . . . |  | 26,000 | 26,999.27 | 346.71 |
| Elizabeth, N. J. . | . . | 414 | 132,000 | 133,824.39 | 1,211.26 |
| Erie, Penn. . | . . | 414 | 20,000 | 20,000.00 | 141.66 |
| Everett, Mass. | . . . | $31 / 2$ | 5,000 | 4,990.00 | 87.50 |
| Everett, Mass. | . . . | 4 | 21,000 | 20,343.78 | 210.00 |
| Everett, Mass. | . . . | $41 / 4$ | 10,000 | 11,133.37 | 141.67 |
| Fall River, Mass | . . . | $31 / 2$ | 34,000 | 30,938.70 | 317.92 |
| Fall River, Mass. | . . . | 4 | 25,000 | 24,979.62 | 333.33 |
| Fitchburg, Mass. | . . . |  | 95,000 | 93,997.14 | 950.00 |
| Fitchburg, Mass. | . . | $38 / 4$ | 18,000 | 19,787.54 | 281.24 |
| Flint, Mich. | . . . |  | 2,690 | 2,690.00 | 36.99 |
| Flint, Mich. | . . . | $41 / 4$ | 30,000 | 30,608.83 | 637.50 |
| Flint, Mich. | . . . | $41 / 2$ | 110,000 | 111,259.72 | 975.00 |
| Flint, Mich. | . . . | $43 / 4$ | 60,000 | 61,047.63 | 118.74 |
| Flint, Mich. | . . . | 5 | 55,000 | 55,433.77 | 875.00 |
| Fort Worth, Texas | . . . | 41/4 | 55,000 | 56,117.48 | 973.96 |
| Fort Worth, Texas | . . . | $43 / 4$ | 35,000 | 36,795.57 | 831.25 |
| Framingham, Mass. | . . . |  | 4,000 | 4,239.67 | 66.67 |
| Framingham, Mass. | . $\cdot$ | 414 | 48,000 | 48,661.27 | 1,020 00 |
| Fresno, Cal. | . . | $41 / 2$ | 70,000 | 83,902.91 | 1,566.25 |
| Gary, Ind. | . . . | 6 | 21,000 | 22,707.78 | 105.00 |
| Grand Rapids, Mich. | . . . | 4 | 150,000 | 152,436.68 | 2,499.99 |
| Grand Rapids, Mich. | . . . | $41 / 2$ | 276,000 | 280,959.97 | 4,447.50 |
| Grand Rapids, Mich. | $\cdots \cdot$. | 6 | 100,000 | 102,867.81 | 1,000 00 |
| Hamilton, Ohio . | . . . |  | 18,000 | 18,146.94 | 225.00 |
| Hartford, Conn. . | . . . | $31 / 2$ | 9,000 | 8,437.52 | 157.50 |
| Hartford, Conn. . | . . | $41 / 2$ | 100,000 | 100,192.96 | 1,875.00 |
| Haverhill, Mass. | . . . | 2 | 10,000 | 9,871.74 | 100.00 |
| Holyoke, Mass. . | . . . | 4 | 109,000 | 117,818.36 | 1,163.33 |
| Houston, Texas | . . . | $41 / 2$ | 25,000 | 25,060.40 | 562.50 |
| Houston, Texas | . . . |  | 53,000 | 54,668.03 | 741.67 |
| Huntington, W. Va. | . . . | $41 / 2$ | 68,000 | 69,473.11 | 1,530.00 |
| Jersey City, N. J. | $\cdots \cdot$ | 414 | 20,000 | 20,054.85 | 70.83 |
| Jersey City, N. J. | . . . | $41 / 2$ | 25,000 | 25,466.33 | 187.50 |
| Jersey City, N. J. | . . . | $43 / 4$ | 50,000 | 52,298.70 | 197.92 |
| Jersey City, N. J. | . |  | 65,000 | 67,482.79 | 812.50 |
| Jersey City, N.J. | . . . | $51 / 2$ | 131,000 | 145,081.64 | 2,676.67 |
| Kansas City, Mo. | . . . | $41 / 4$ | 51,000 | 54,571.64 | 361.25 |
| Kansas City, Mo. | . . . | $41 / 2$ | 25,000 | 25,218.49 | 375.00 |
| Lawrence, Mass. | . . . | $23 / 4$ | 68,000 | 70,019.17 | 155.83 |
| Lawrence, Mass. |  | $31 / 2$ | 19,000 | 21,234.25 | 221.66 |
| Lawrence, Mass. | . . . | $53 / 4$ | 100,000 | 102,009.97 | 479.16 |
| Leominster, Mass. | . . . | 5 | 52,000 | 54,233.89 | 433.29 |
| Lewiston, Maine | . . . | $41 / 4$ | 70,000 | 71,090.59 | 1,487.50 |
| Long Beach, Cal | - . . |  | 95,000 | 112,538.06 | 316.67 |
| Long Beach, Cal. | . . . | $41 / 4$ | 70,000 | 79,569.86 | 1,239.58 |
| Long Beach, Cal. | . . . | $43 / 4$ | 10,000 | 11,333.94 | 197.92 |
| Long Beach, Cal. |  |  | 110,000 | 137,475.43 | 458.33 |
| Los Angeles, Cal. | . . . | $33 / 4$ | 100,000 | 107,166.88 | 937.50 |
| Los Angeles, Cal. | . . . | $41 / 4$ | 45,000 | 52,023.52 | 318.75 |
| Los Angeles, Cal. | . . . | $41 / 2$ | 630,000 | 717,529.63 | 4,556.25 |
| Los Angeles, Cal. | . . . | $43 / 4$ | 272,000 | 295,056.77 | 4,156.22 |
| Los Angeles, Cal. | . . . | 5 | 142,000 | 157,967.02 | 2,312.50 |
| Louisiana, Port Commission | . . . | 5 | 20,000 | 20,868.90 | 458.33 |
| Louisiana, State of |  | 5 | 82,000 | $86,769.00$ | 1,516.67 |
| Lowell, Mass. . | . . . | $21 / 4$ | 30,000 | 30,115.84 | 337.50 |
| Ludlow, Mass. |  | 4 | 6,000 | 6,578.38 | 40.00 |
| Lynchburg, Va. | . |  | 75,000 | 83,322.66 | 1,875.00 |
| Lynn, Mass. |  | $33 / 4$ | 8,000 | 8,650.74 | 50.00 |
| Lynn, Mass. | . | 4 | 57,000 | 57,553.89 | 563.33 |
| Madison, Wis. | . . . | 41/2 | 50,000 | 51,640.41 | 1,125.00 |
| Malden, Mass. | . . | $33 / 4$ | 10,000 | 10,648.23 | 187.50 |
| Malden, Mass. | . . |  | 26,000 | 25,211.73 | 514.22 |
| Malden, Mass. | . | 41/4 | 15,000 | 15,154.09 | 292.19 |
| Manchester, N. H. | - . | 4 | 25,000 | 24,524.19 | 250.00 |
| Maryland, State of | . . . |  | 75,000 | 83,248.49 | 1,125.00 |
| Medford, Mass. | - . | $21 / 2$ | 10,000 | 9,965.43 | 104.15 |
| Medford, Mass. | - . . |  | 6,000 | 6,235.19 | 75.00 |
| Medford, Mass. | . . . | $33 / 4$ | 10,000 | 9,950.07 | 62.50 |
| Medford, Mass. | $\cdot$ - |  | 15,000 10,000 | $15,000.00$ $11,707.16$ | +41.67 |
| Methuen, Mass. | - | $33 / 4$ | 14,000 | 14,297.52 | 131.23 |
| Metropolitan Water | . . . | 3 | 10,000 | 9,627.41 | 150.00 |
| Metropolitan Water |  |  | 135,000 | 163,538.88 | 2,700.00 |
| Michigan, State of | . . . | $41 / 2$ | 255,000 | 260,941.92 | 3,862.50 |
| Michigan, State of |  |  | 15,000 | 15,511.27 | 62.50 |
| Michigan, State of | $\cdots$ | $51 / 2$ | 108,000 | 113,819.11 | 1,494.15 |
| Michigan, State of | . . . | 53 | 469,000 | 485,367.71 | 12,360.07 |
| Milford, Mass. | - . |  | 68,000 | 70,718.51 | 1,020.00 |



SCHEDULE A-Concluded


