

# MAINE STATE LEGISLATURE

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MAINE STATE RETIREMENT  
SYSTEM  
AUGUST, 1981

REPORT of the

# MAINE STATE RETIREMENT SYSTEM

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1981

for the  
**FISCAL YEAR**  
**ENDED JUNE 30, 1981**

MAINE STATE RETIREMENT SYSTEM

For Public School Teachers,  
Employees of the  
State of Maine  
Participating Local Districts



Constitution  
of the State of Maine

All of the assets, and proceeds there-  
from, of the Maine State Retirement System  
or any successor system and all contribu-  
tions and payments made to the system to  
provide for retirement and related benefits  
shall be held, invested or disbursed as in  
trust for the exclusive purpose of provid-  
ing for such benefits and shall not be en-  
cumbered for, or diverted to, other purposes.

Chapter 95 Resolves 1961  
Voted, General Election, November 6, 1962  
Proclaimed, November 21, 1962  
Adopted and Effective December 21, 1962

MAINE STATE RETIREMENT SYSTEM

BOARD OF TRUSTEES

Robert Bourgault, Chairman, Biddeford  
Representing Maine Teachers Association

John Bibber, Member, Brunswick  
Representing Maine Municipal Association

Fred L. Kenney, Member, Augusta  
Representing Retired Persons

Mary L. Kurr, Member, Bangor  
Representing Public

Patricia M. McDonough, Member, Portland  
Representing Public

Richard J. McDonough, Member, Portland  
Representing Maine State Employees Association

Nathan W. Watson, Member, Bath  
Representing Maine Retired Teachers Association

*Ex-officio*

Samuel Shapiro, State Treasurer

ACTUARY

Robert J. Towne, F.S.A., Towne & Associates

INVESTMENT ADVISORS

Alliance Capital Management Corporation  
David L. Babson & Company, Inc.  
FMR Investment Management Service, Inc.  
Massachusetts Financial Services, Inc.  
Merchants National Bank of Bangor  
Merrill Trust Company  
Morgan Guaranty Trust Company  
Putnam Advisory Company, Inc.  
The Travelers Insurance Company

INVESTMENT CUSTODIAN

Northeast Bank N.A. of Lewiston and Auburn

INVESTMENT EVALUATION CONSULTANT

Evaluation Associates, Inc.

MEDICAL BOARD

H. C. Cheng, M.D., Chairman and Secretary, Augusta  
Paul D. Giddings, M.D., Member, Augusta

MAINE STATE RETIREMENT SYSTEM  
ORGANIZATION CHART

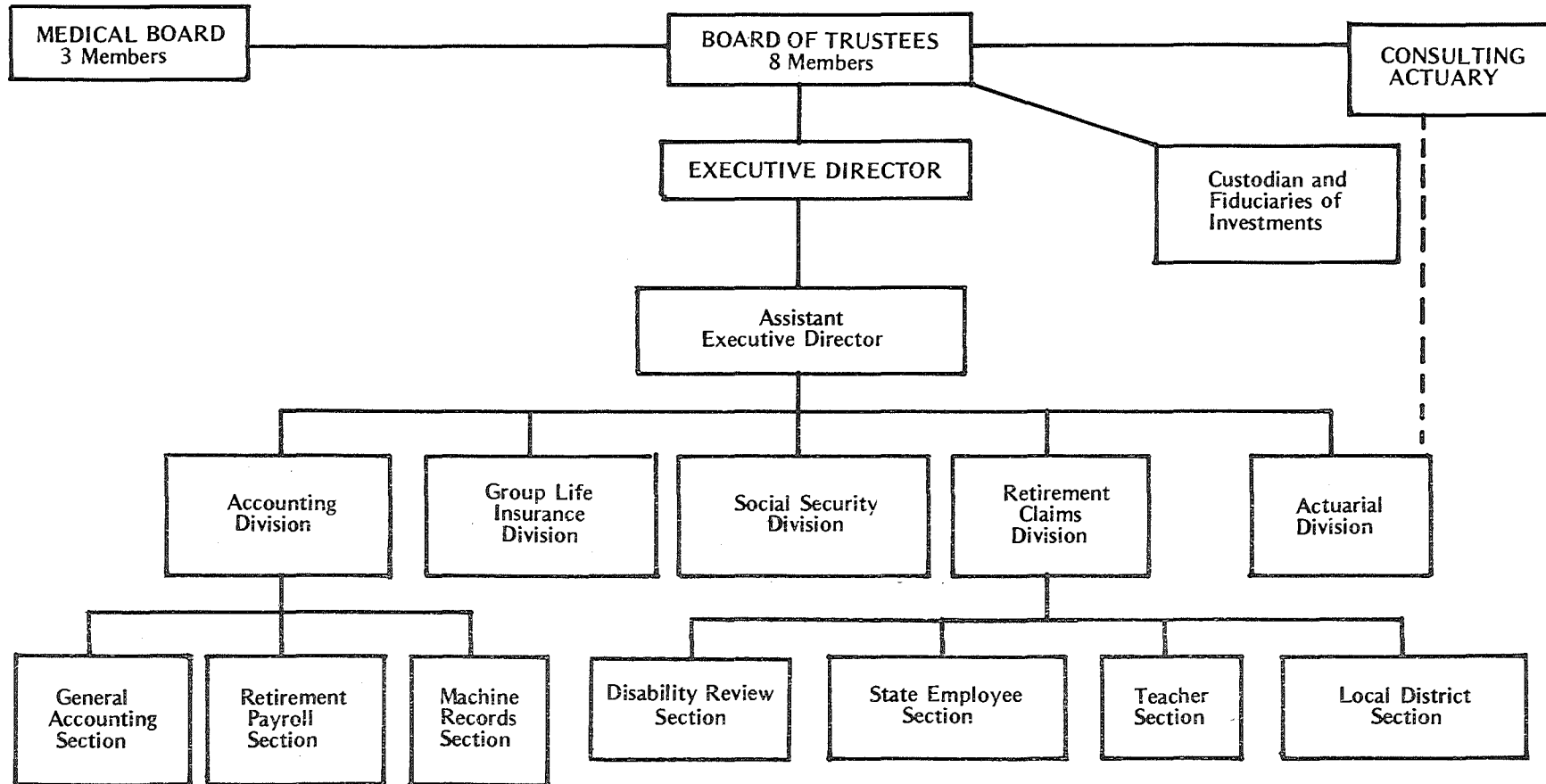


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William G. Blodgett, *Executive Director*  
Philip R. Gingrow,  
*Assistant Executive Director*

*Consulting Actuary:*  
Robert J. Towne, F.S.A.

Tel. 207-289-3461



STATE OF MAINE

## MAINE STATE RETIREMENT SYSTEM

STATE OFFICE BUILDING  
STATE HOUSE STATION 46  
AUGUSTA, MAINE 04333

*Board of Trustees*  
Robert Bourgault,  
*Chairman*  
John Bibber  
Fred Kenney  
Mary Kurr  
Patricia McDonough  
Richard McDonough  
Nathan W. Watson

*Ex officio*  
Samuel Shapiro,  
State Treasurer

January 25, 1982

Honorable Joseph E. Brennan  
Governor of Maine  
State House, Augusta

Members, 110th Legislature

Dear Governor Brennan and Members of the Legislature:

The Board of Trustees of the Maine State Retirement System submit herewith a report of the financial transactions of the System, statements of the assets and liabilities for the year ending June 30, 1981, report of the Actuary, the Investment Consultant, the Executive Director and the Group Life Insurance Underwriter. This report is submitted in accordance with the provisions of 5 MRSA, Section 1031, subsection 9.

The Board of Trustees is comprised of seven voting members and the State Treasurer who is an ex-officio non-voting member. The Board includes two members appointed by the Governor, subject to review and approval of the Joint Standing Committee on Aging, Retirement and Veterans, and confirmed by the Legislature, one member appointed by the Governor from a list of three nominees submitted by the Maine Retired Teachers Association, one member elected by the Maine Teachers Association, one member elected by the Maine State Employees Association, one member appointed by the Maine Municipal Association, and one member who is a recipient of a retirement allowance through the System and elected by the foregoing members.

Total investments of the System at June 30 amounted to \$346,806,884 based on book value. These investments had a market value at year end of \$364,724,813, a gain over cost value of \$17,917,929. This gain was reflected for the most part in the difference between the cost and market value of common stock, which had a market value of \$40,159,899 in excess of cost.

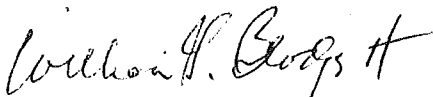


Governor Joseph E. Brennan  
Members, 110th Legislature  
Page 2 - January 25, 1982

Net income from investments credited to the System totalled \$47,071,951 during the year, and was comprised of the gain on the sale of securities (\$18,441,734) and earnings on investments (\$29,306,260), which were reduced by investment management and custodial services (\$676,042). The time-weighted rate of return on investments under management by the several investment managers was 15.7% during the fiscal year, as compared to 14% in the previous fiscal year, and 11.1% in the fiscal year ended June 30, 1979. The time-weighted rate of return is based on the market value of securities at the beginning and end of the fiscal period, plus dividends and interest received on these investments. The rate of return on reserves of the System for the year ended June 30, 1981, based on the book value and cost of investments was 8.5695% as compared with 7.8799% for the previous fiscal year. At year end there was cash on deposit with the State Treasurer of \$33,892,717, which was invested in the State Treasurer's "Cash Pool." Interest is credited to the System monthly on these cash deposits and the average interest rate credited to these funds during the year was 14.54%.

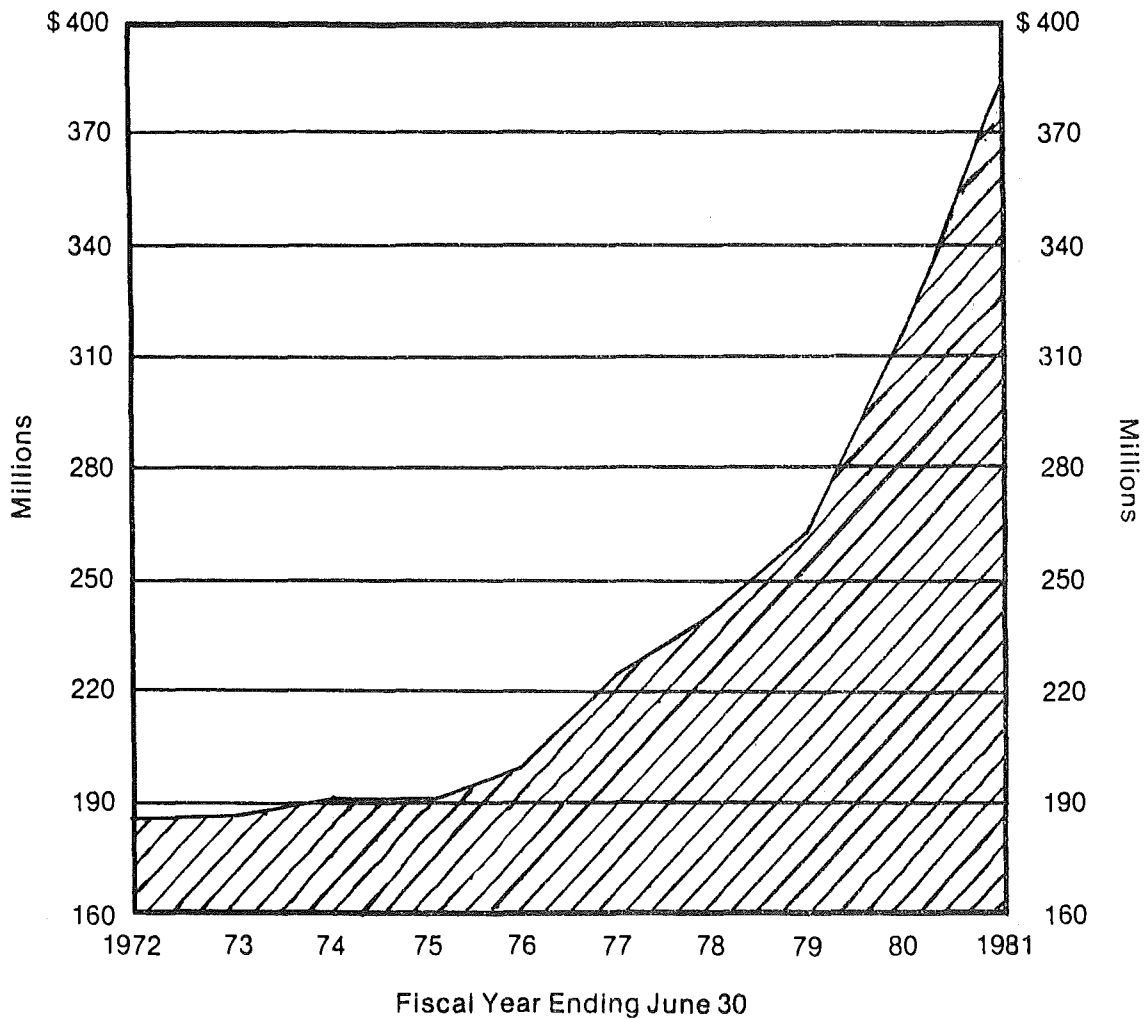
Of particular concern to the Board of Trustees during recent years has been the continuing liability and use of the System's reserves to finance benefit payments to "non-contributory" teachers, whose benefit plan has not been funded. Prior to the last session of the Legislature the Board of Trustees repeated its request for funding for this group, and the Governor's budget included the funding that the Trustees requested, i.e., \$12,100,000 in the first year of the biennium and \$13,200,000 in the second year of the biennium. This request was passed by the Legislature and included in the legislative appropriation act (Chapter 316, PL 1981). If funding for this group continues at this level the unfunded liability for this group will be amortized during the same funding period that the regular teacher group and the state employee group will be completed; that is, 18.8 years.

Very truly yours,



William G. Blodgett,  
Executive Director for  
the Board of Trustees,  
Maine State Retirement System

**MAINE STATE RETIREMENT SYSTEM**  
**ASSETS OF FUND**



**RETIREMENT AND SURVIVOR PAYMENTS**

<u>Fiscal Year Ending June 30</u>	<u>Retirement Payments</u>	<u>Survivor Benefit Payments</u>
1981	\$82,174,316	\$1,543,470
1980	76,476,530	1,495,620
1979	70,807,529	1,461,604
1978	64,002,405	1,392,108
1977	54,069,526	1,265,695
1976	47,393,602	1,196,581
1975	44,817,112	1,165,766
1974	38,001,288	1,061,102
1973	30,512,101	992,463
1972	25,477,441	922,512

MEMBERS AND EMPLOYERS CONTRIBUTIONS

<u>Fiscal Year Ending June 30</u>	<u>Employees</u>	<u>Employers</u>
1981	\$36,001,782	\$74,479,257
1980	33,705,766	70,249,466
1979	30,544,619	52,000,495
1978	28,002,557	46,456,338
1977	25,890,129	44,340,036
1976	23,888,254	28,450,370
1975	22,241,103	30,386,051
1974	18,772,056	26,255,827
1973	14,744,244	19,503,529
1972	13,578,508	19,217,928

RETIREMENT ALLOWANCE RECIPIENTS

<u>Fiscal Year Ending June 30</u>	<u>Total</u>	<u>Teachers</u>	<u>State Employees</u>	<u>Local District Employees</u>
1981	16,216	6,972	6,152	3,092
1980	15,557	6,774	5,878	2,905
1979	14,991	6,626	5,677	2,688
1978	14,272	6,394	5,413	2,465
1977	13,446	6,179	5,035	2,232
1976	12,718	5,967	4,735	2,016
1975	12,070	5,761	4,471	1,838
1974	11,346	5,386	4,301	1,659
1973	10,311	5,020	3,805	1,486
1972	9,321	4,466	3,539	1,316

# FINANCIAL HIGHLIGHTS

	<u>1981</u>	<u>1980</u>
Assets of the Fund at Year End	\$384,224,527	\$317,501,210
Net Income From Investments	47,071,952	33,905,754
Year End Investments (Cost)	346,806,885	272,523,379
Year End Investments (Market)	364,724,813	288,391,829
Corporate Stocks in Portfolio (Cost)	170,133,130	120,126,223
Percent of Portfolio	49.1%	44.1%
Bonds in Portfolio (Cost)	131,375,922	117,101,914
Percent of Portfolio	37.9%	42.9%
Mortgages in Portfolio (Cost)	5,350,947	5,848,492
Percent of Portfolio	1.5%	2.2%
Insured Guaranteed Contract (Cost)	8,069,531	5,000,000
Percent of Portfolio	2.3%	1.8%
Time Deposits in Portfolio (Cost)	2,500,078	4,000,000
Percent of Portfolio	.7%	1.5%
Commingled Trust Fund (Cost)	29,377,277	20,446,750
Percent of Portfolio	8.5%	7.5%

## RETIREMENT ALLOWANCES paid - June 30, 1981

	<u>VALUE</u>		<u>PERSONS</u>	
	<u>Dollars</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
State Employees	\$2,426,758	34.9%	6,152	37.9%
Teachers	3,606,259	51.9%	6,972	43.0%
Participating Local Districts	<u>909,323</u>	13.2%	<u>3,092</u>	19.1%
TOTAL	<u>\$6,942,340</u>		<u>16,216</u>	

## SURVIVOR BENEFITS paid - June 30, 1981

	<u>VALUE</u>		<u>PERSONS</u>	
	<u>Dollars</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
State Employees	\$ 73,753	56.5%	417	55.9%
Teachers	36,130	27.6%	184	24.7%
Participating Local Districts	<u>20,839</u>	15.9%	<u>145</u>	19.4%
TOTAL	<u>\$ 130,722</u>		<u>746</u>	

STATISTICS

MEMBERSHIP - June 30, 1981:

	<u>ACTIVE</u>	<u>INACTIVE</u>
State Employees	14,354	7,212
Teachers	17,219	14,123
Participating Local Districts	<u>10,719</u>	<u>2,720</u>
TOTAL	<u>42,292</u>	<u>24,055</u>

RETIREMENT ALLOWANCES - Authorized Year Ended June 30, 1981:

		<u>Percent</u>
State Employees	410	42.0%
Teachers	315	32.0%
Participating Local Districts	<u>247</u>	26.0%
TOTAL	<u>972</u>	

SURVIVOR BENEFITS - Authorized Year Ended June 30, 1981:

		<u>Percent</u>
State Employees	21	51.0%
Teachers	10	24.5%
Participating Local Districts	<u>10</u>	24.5%
TOTAL	<u>41</u>	

Participating Local Districts

Towns	105
Sewer & Water Districts	40
Cities	19
S.A.D.'s	17
Counties	16
Housing Authorities	12
Public Libraries	4
Miscellaneous	<u>47</u>
TOTAL	<u>260</u>

## REPORT OF THE EXECUTIVE DIRECTOR

A contributory retirement system covering all public school teachers, state employees (except members of the judiciary), and the employees of 260 cities, towns, counties, and other municipal and educational units, was created by the Legislature in 1947.

The responsibility for the proper operation of the retirement system is vested in a board of eight trustees. The Board formulates policies and exercises the general supervision under the provisions of 5 MRSA, appoints an executive director who is charged with administrative responsibility of the System and approval for all benefits. The Board is comprised of members elected by the Maine State Employees Association, the Maine Teachers Association, the Maine Municipal Association, three members appointed by the Governor, one of whom is a retired teacher nominated by the Maine State Retired Teachers Association, a person retired under the System who is selected by the foregoing members of the Board from a list or lists submitted by retired state employees and retired local district employees, and the State Treasurer, who serves as an ex-officio member. The Board employs a consulting actuary whose duties include certification of all benefits, recommendations as to funding requests to the Legislature, and is the technical advisor on matters regarding the operation of funds, and performs annual valuations of the assets and liabilities of the System on the basis of actuarial assumptions adopted by the Board. The actuary is also required to make such investigations of the experience of the System as he deems necessary. A medical board composed of physicians not eligible to participate in the System assists the Board in evaluating disability retirement claims.

As of June 30, 1981, there were 42,292 active members (17,219 teachers, 14,354 state employees, 10,719 employees of participating local districts). In addition there were 24,055 inactive accounts representing former members whose services have been terminated and whose contributions have been left on deposit with the System.

### ASSETS

As of June 30, 1981, total assets of the M.S.R.S. were \$384,224,527, representing an increase of \$66,723,316 over assets at the beginning of the year. These assets are comprised of corporate stocks (\$170,133,129), corporate bonds (\$131,375,922), mortgage type investments (\$34,728,225), cash on deposit in the State Treasurer's Cash Pool (\$33,892,718) and other assets (\$14,094,533). Assets classified as investments totalled \$346,806,884 which had a market value at year end of \$364,724,813.

During the fiscal year the Board employed a new fixed income investment manager, FMR Investment Management Services, Inc., of Boston, Massachusetts. The Board allocated \$12,000,000 for management by this firm, and in addition allocated \$6,000,000 in new funds to be managed by the Merrill Trust Company of Bangor, Maine, and Alliance Capital Management Corp. of New York, to be invested in equity type securities, and an additional \$6,000,000 to Travelers Insurance Company for investment in the Company's pooled real estate equity fund.

The time-weighted rate of return on investments under management by the System's investment managers was 15.7% for the fiscal year ended June 30, 1981,

as compared with 14% for the fiscal year ended June 30, 1980. The return on equities during the past fiscal year was 29.5% and fixed income investments under management was a minus 6.2%. This return measurement is based upon the market value of investments which considers market appreciation or depreciation, as well as dividends and interest. During the past fiscal year significant cash balances have remained on deposit and invested in conjunction with the State Treasurer's Cash Pool. The average monthly cash balance in this fund during the year was \$34,132,695 and interest credited during the year averaged 14.54% on a monthly basis.

#### TRUST FUND RESERVES

The System's trust fund reserves totalled \$381,376,178 as of June 30, 1981, an increase of \$65,964,964 over reserves at the beginning of the year. A comparison of these reserves by membership grouping is as follows:

	<u>June 30, 1981</u>	<u>June 30, 1980</u>
State Employees	\$172,092,328	\$143,689,410
Teachers (Post-7/1/24)	239,142,388	205,298,232
Teachers (Pre-7/1/24)	( 162,572,899)	( 141,017,263)
Participating Local Districts	<u>132,714,361</u>	<u>107,440,835</u>
Total	<u>\$381,376,178</u>	<u>\$315,411,214</u>

The Pre-7/1/24 teacher account deficit continues to grow, inasmuch as as of June 30, 1981, no funding had been provided for these benefit payments. The accumulative deficit represents the excess of benefit payments with interest charges over any funding or contributions made by the state and individual teachers in this particular category. However, the appropriations approved by the 110th Legislature, as recommended by the Board of Trustees and the Governor, will commence the funding of the old system teacher (Pre-7/1/24) plan in the amounts of \$12,100,000 in the first year of the 1981-82 biennium and \$13,200,000 in the second year of the biennium. Continued funding on this basis will place this particular retirement obligation in the same funding position as the regular teacher and state employee plans.

Employer contributions to the System for benefits during the past fiscal year totalled \$74,479,257, of which \$29,270,763 was made on account of teachers and \$28,260,427 was made on account of state employees. Participating local districts made contributions on behalf of employees totalling \$16,948,067.

Individual member contributions totalled \$36,001,782, as compared with \$33,705,766 during the previous year.

Net income from investments amounted to \$47,071,951, summarized as follows:



Net Gain on Sale of Securities	\$18,441,734
Income from Investments	
Bond Interest	22,710,928
Stock Dividends	5,877,216
Interest on Time Deposits	445,617
Mortgage Interest	272,499
	<u>29,306,260</u>
Less	
Investment Management Fees	<u>676,043</u>
Net Income From Investments	<u>\$47,071,951</u>

Profit on sale of stock during the year end totalled \$24,245,886, which was off-set in part by losses on the sale of bonds of \$5,804,152.

Expenditures and other charges to the fund totalled \$91,600,559 during the year ending June 30, 1981, and were comprised of retirement benefits totalling \$82,174,316, payments to survivors of former members of \$1,543,470, and refunds to former members and beneficiaries of former members of \$7,882,773. During the year there were 972 retirement allowances processed, 410 state employees, 315 teachers and 247 employees of participating local districts.

The June 1981 retirement allowance payroll amounted to \$6,942,340, and was comprised as follows:

Teachers	\$3,606,259	6,972
State Employees	2,426,758	6,152
Participating Local Districts	<u>909,323</u>	<u>3,092</u>
Total	<u>\$6,942,340</u>	<u>16,216</u>

Retirement allowance payments during the recent fiscal year were \$5,697,786 more than retirement allowance payments during the previous year, and was due to a larger number of retirees and a 4% cost-of-living increase granted in September of 1980.

The following data reflects the average age and retirement allowance benefit (Full Benefits), exclusive of special groups, for state employees and teachers:

	<u>Annual Benefit</u>	<u>State Employees Retirement Age</u>
1977	\$4,102	62.19 yrs.
1978	\$4,839	61.23 yrs.
1979	\$4,400	62.07 yrs.
1980	\$4,734	61.63 yrs.
1981	\$5,290	61.74 yrs.

	<u>Teachers</u>
	<u>Annual Benefit</u> <u>Retirement Age</u>
1977	\$5,372      62.55 yrs.
1978	\$6,026      61.06 yrs.
1979	\$6,372      60.29 yrs.
1980	\$6,001      60.67 yrs.
1981	\$6,627      59.65 yrs.

Survivor benefit payments made to certain survivors (spouse-children-parents) of former members of the System, whose death occurred prior to retirement, totalled \$1,543,470 during the past fiscal year as compared with \$1,495,620 in the previous fiscal year.

#### LEGISLATION

Chapter 73, P&S Laws of 1981, authorizes the payment of an additional cost-of-living adjustment of 2% in September of 1981 to those retired state employees and teachers eligible to receive the regular 4% cost-of-living increase. The total cost-of-living adjustment paid in September of 1981 was 6%. In order for this statute to apply to the retirees of participating local districts the governing body of the individual units must take an action to accept this benefit.

Chapters 18 and 36, P&S Laws of 1981, authorized Franklin County and Knox County respectively to exit from the Maine State Retirement System for all future employees, however, provided that current employees have a right to continue membership.

Chapter 146, PL 1981, provides that any member in service on attainment of age 60, may retire at any time then or thereafter provided the member has a minimum of one year of service immediately prior to retirement.

Chapter 306, PL 1981, provides that chief administrative officers of participating local districts may elect membership in the System on an optional basis.

Chapter 453, PL 1981, authorizes the payment of employees contributions by the employer, in the case of those collective bargaining agreements entered into by the State of Maine, which provide for same.

Chapter 519, PL 1981, provides that effective July 1, 1982 survivor benefit payments to an eligible spouse will be increased from \$100 to \$150 per month, to an eligible child from \$100 to \$150 per month, two eligible children from \$150 to \$225 per month, three eligible children from \$200 to \$300 per month, one eligible parent from \$100 to \$150 per month, and a second eligible parent from \$75 to \$105 per month.

#### GROUP LIFE INSURANCE

The State Group Life Insurance Program is administered by the Board of Trustees of the Maine State Retirement System and is available to all public

school teachers, state employees and the employees of those participating local districts which elect to provide the plan for their employees. There are three sections of the Group Life Insurance Program: the Basic plan, the Supplemental plan and the Dependent plan. The Basic and Supplemental plans each provide for \$1,000 of coverage for each \$1,000 of the participant's annual salary up to a maximum of \$25,000. The Dependent plan provides \$2,000 coverage on the life of a spouse, \$500 and \$100 on the lives of children up to the age of 19 years and 6 months respectively. Participation is optional by the employee under all plans.

The Group Life Insurance Fund assets totalled \$11,034,514 at the year end, and represents an increase of \$1,958,280 over assets at the end of the previous year. These assets are comprised of cash on deposit in the State Treasurer's "Cash Pool" of \$10,974,004, accounts receivable of \$10,510, and amounts due from other funds of \$50,000. Cash held in the Treasurer's "Cash Pool" is credited with earnings on the pool on a monthly basis. Interest earned on this Fund during the past fiscal year amounted to \$1,499,737, an increase of \$396,213 over earnings in the previous year. Following is a tabulation of earnings and the rate of return for the past three fiscal years:

	<u>Earnings</u>	<u>Rate of Return</u>
1981	\$1,499,737	14.54%
1980	\$1,103,524	12.73%
1979	\$ 699,255	9.57%

Total available funds in 1980-81 amounted to \$6,608,310, being comprised of premiums collected from employees totalling \$3,255,783, dividends received during the year of \$1,433,280, a general fund appropriation on account of retiree premiums of \$359,000, earnings on investments of \$1,499,737, and other credits totalling \$60,510.

Charges to the above funds included payment of premiums for active employees (\$3,255,783), for retired persons (\$856,870), supplemental dividend distributions (\$232,680), distribution of dividends to participating local districts (\$254,402), and administrative expenses (\$60,510).

The supplemental dividend distribution represents payments made to the beneficiaries of those persons who had participated in the supplemental group life insurance plan, both active and retired, and is based on 30% of the supplemental insurance carried at the date of death in the case of an active employee, and at the date of retirement in the case of retired employees. The 30% distribution rate was made effective in July of 1972 and current dividend levels appear adequate to support the current distribution rate.

The reserve for retiree premiums, which amounted to \$8,236,954, at June 30, 1981, is held for the payment of premiums on account of retired state employees and teachers. Retired persons who participate in the group life plan for 10 continuous years prior to retirement carry this insurance into retirement at no cost under the statutes. Premiums for retired persons totalled \$856,870 during the past year, of which \$359,000 was funded by a state appropriation.

## SOCIAL SECURITY

The 1951 Legislature designated the Maine State Retirement System as the state agency to administer the Social Security program for those political subdivisions in the State of Maine which elect to provide social security benefits to their employees. As of June 30, 1981, there were 635 agreements between the State of Maine and local political subdivisions to provide social security benefits. There were nine new agreements entered into during the fiscal year. These agreements provide that this office administer the collection of FICA contributions, prepare audits of the accompanying returns, and make field audits where necessary. Social Security benefits under these agreements are administered directly by the Social Security Administration. Those units which have been under the agreement for five years are permitted to exit from the Social Security program by giving notice, and at the completion of a two-year period their coverage is terminated. During the year there were no terminations requested.

During the fiscal year there were wages reported under the several agreements in the amount of \$202,954,302 and which resulted in FICA contributions of \$25,955,102 being collected. During the current year these FICA contributions have been collected on a monthly basis, and these earnings, together with earnings on funds held to the credit of this account which had accumulated in past years, totalled \$416,572.

Although the statutes permit the charging of administrative fees to the various participating units to cover costs of operating the social security activity, there have been no administrative fees charged to local units in Maine for administrative expenses during the past 12 years.

The System's staff has performed 54 onsite reviews or audits during the fiscal year ending June 30, 1981.



William G. Blodgett, Executive Director



Evaluation Associates, Incorporated

25 Sylvan Road South, Westport, Connecticut 06880 (203) 226-7864

December 30, 1981

Board of Trustees  
Maine State Retirement System  
Augusta, Maine 04333

Dear Board Member:

This report covers EAI's work with the Board on investment related matters for the fiscal year ended June 30, 1981. It was an active year, and one which saw the best investment performance in over nine years.

We considered alternative opportunities for the fixed income account of one of the managers, whose performance had been slipping. However, the manager changed its philosophy somewhat, becoming more conservative and responsive to market conditions, and it was decided to give him some additional time.

A contribution of \$30 million was made in the Fall of 1980, \$18 million to three existing managers, and \$12 million to FMR Investment Management Service. The latter assignment was a new one, and involved a fixed income program of seven years, with a minimum return goal of 12 3/4%.

Also, in the Fall of 1980, the Investment Guidelines and Objectives were modified to clarify the responsibilities of Alliance Capital and Putnam Advisors. Previously they were considered as balanced managers, with each required to maintain a minimum of 33 1/3% in fixed income securities. The amendment gave them specific equity and fixed income assignments, with a total Fund goal of at least 40% in fixed income.

We conducted a small investment seminar to acquaint new members, as well as review for others, some of the basic tools and concepts used in the investment management and monitoring field.

Because of concern that the securities lending program might not be as productive as others we have seen, we initiated an analysis of comparative services. A final recommendation is due around year-end 1981.

The following results represent time-weighted total rates of return (realized and unrealized gains and losses plus dividend and interest income) for the last two fiscal years:

	Fiscal year 1981 <u>6/30/80-6/30/81</u>	Fiscal year 1980 <u>6/30/79-6/30/80</u>
MSRS Total Fund	15.7%	14.0%

<u>EAI Data Base-balanced managers-median performance</u>	<u>13.2%</u>	12.6%
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Market Indices

Standard & Poors' 500 Index	20.6%	17.3%
Dow Jones Industrials	19.1%	9.5%
Salomon Bros. Long Bond Index	-13.0%	-2.4%
Kuhn Loeb Bond Index	- 8.6%	-1.0%
90 Day U.S. Treasury Bills	12.5%	11.0%
50% S&P500 Index/ 50% Salomon Bond	19.8%	7.4%

The 15.7% earned by MSRS total Fund substantially exceeds the median of balanced fund managers monitored by our firm and published in Investment Manager Profiles. As in the past year, stocks did very well followed by Treasury Bills, while bonds had a much worse year.

Sincerely,



Robert P. Watson  
RPW:ph

# TOWNE & ASSOCIATES

*Actuaries*

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AUGUSTA, MAINE

ROBERT E. AKER  
QUECHEE, VERMONT

January 27, 1982

Robert Bourgault, Chairman  
Board of Trustees  
Maine State Retirement System

Dear Mr. Bourgault:

Enclosed is our report on the actuarial valuations we have made, as of June 30, 1981, of the assets and liabilities of the funds of the Maine State Retirement System. The valuations have been made on the basis of the actuarial assumptions that the board of trustees has adopted, in accordance with the provisions of the Maine State Retirement System Laws.

Respectfully submitted,  
Towne & Associates



Robert J. Towne, President  
Fellow, Society of Actuaries

RJT/bgb



ACTUARIAL VALUATIONS  
AS OF JUNE 30, 1981  
MAINE STATE RETIREMENT SYSTEM

Submitted  
January 27, 1982

TOWNE

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SECTION A  
SUMMARY OF REPORT

1. Scope of Report

a) Purpose of the actuarial valuations

The purpose of the actuarial valuations was to secure the following information that is required under the Maine State Retirement System Laws:

- i) The financial condition of the retirement system as revealed by an actuarial valuation of the assets and liabilities of the system, to be shown in the annual report of the board of trustees of the retirement system, as provided in subsection 9 of section 1031 of said laws, and
- ii) The percentage rates of contributions payable by the state and participating districts under the system for the 1982 - 83 fiscal period, as provided in section 1062 and section 1092 of said laws.

The actuarial valuations thus measured the amount of the prospective benefits under the Maine State Retirement System and determined the sufficiency of future contributions by the members of the system, the state and the participating districts, together with the present invested assets of the system, in providing the funds for payment of the prospective benefits.

b) Employees covered

Several valuations covered state employees and teachers. Separate valuations were also made for 251 participating districts for the fiscal period 1982 - 83 and the results thereof submitted to them. A summary of such results is contained in this report. Actuarial valuations had previously been made for 4 additional districts that had joined the system on or after July 1, 1980 and whose membership in the system was for less than one year on July 1, 1981.

c) Benefits covered

The valuations covered all employee benefits provided by the system except those included in the group life insurance coverages.

d) Bases for valuations

Valuations were determined by using i) employee data as of June 30, 1981, which is summarized in Section C hereof, ii) the actuarial assumptions adopted by the board of trustees, which are set forth in Section D hereof, and iii) the provisions of the 1978 Revision of the Maine State Retirement System Laws, including amendments thereto enacted prior to July 1, 1981, which are outlined in Section E hereof.

e) Period of report

This report is with respect to the financial condition of the retirement system for the fiscal period July 1, 1980 through June 30, 1981 and participating district contribution requirements for the fiscal period July 1, 1982 through June 30, 1983.

## 2. Contribution Rates

### a) State contributions for fiscal period July 1, 1982 through June 30, 1983

The contribution rates, as percentages of total employee compensation, payable by the state under the provisions of the retirement system for the fiscal period July 1, 1982 through June 30, 1983 were presented in the report on the actuarial valuation as of June 30, 1980.

### b) State contributions required by section 1062 (3) (D) of chapter 101

Section 1062, subsection 3, paragraph D of Chapter 101 of the Maine State Retirement Laws requires that the aggregate payment by the state into the retirement allowance fund shall be at least sufficient, when combined with the amount in the retirement allowance fund, to provide the benefits payable out of the fund during the current year.

The total retirement allowance fund for state employees and teachers had a deficit as of June 30, 1981 in the amount of \$4,303,130 and therefore an additional contribution equal to such amount is due from the state for the fiscal period July 1, 1980 through June 30, 1981. Such a deficit also arose for the fiscal periods ending June 30, 1979 and June 30, 1980, which has been detailed in the actuarial reports for those years.

The lack of adequate state contributions for the old system teachers retirement benefits has been the principal reason for those deficits that have occurred in the total retirement allowance fund for state employees and teachers for the last three fiscal periods. However, the state will make annual contributions, over a 19 year period commencing with the July 1, 1981 through June 30, 1982 fiscal

period, of sufficient amounts to provide for the funding of the accrued benefit liability of the old system teachers benefits, as recommended in the actuarial report for the fiscal year ending June 30, 1980. The initial contribution will be \$12,100,000 which, together with future contributions, should be adequate to avoid future deficits in the total retirement allowance fund for state employees and teachers.

c) Participating district contributions

The contribution rates, as percentages of employee compensation, payable by the participating districts under the provisions of the retirement system, that were determined for the annual fiscal period 1982 - 83, based upon the actuarial valuations as of June 30, 1981, were submitted to each district in separate actuarial valuation reports. The weighted average contribution rates for the 251 districts with total salaries of \$114,098,104 are shown following as well as those for the period 1981 - 82.

i) <u>Retirement benefits</u>	<u>1981 - 82 Period</u>	<u>1982 - 83 Period</u>
Future service	6.83%	6.77%
Accrued service	<u>6.43</u>	<u>6.01</u>
Total service	13.26	12.78

ii) Survivor benefits

There are 78 districts, with total annual salaries of \$70,664,773, that have elected survivor benefits for their employees. The average annual contribution rate payable by those districts is .29%, weighted by salaries, for the 1982 - 83 period and .31% for the 1981 - 82 period.

### 3. Financial Condition

#### a) Actuarial balance sheet

An actuarial balance sheet resulting from the actuarial valuations for state employees and teachers is presented in the next section. It shows the values of the various items of assets and liabilities that are involved in determining the funding requirements for retirement benefits of the system. Certain aspects of the unfunded accrued benefit reserve are also set forth in that section.

#### b) Funding of costs of benefits

The method of funding used to determine, on an actuarial basis, the contributions payable under the system will adequately provide for payment of the benefits of the system. Year to year experience fluctuations in the actuarial assumptions used in the funding determination result in fluctuations in the rate of accrued benefit contribution payment. Also, contributions are adjusted when changes in the actuarial assumptions are made because of changes in future expectations as a result of studies of the factors included in the actuarial assumptions, as required in the retirement system laws, or when changes are made either in the benefits of the system or in the conditions for the receipt thereof.

The payment period of the accrued benefit contribution for any fiscal period is normally determined to be at least one year less than the period for the preceding fiscal period where there are no changes in benefit provisions from those of the preceding fiscal period. However, experience fluctuations may, at times, require an adjustment in the scheduled period, or when changes in the actuarial assumptions are made.



c) Revision of actuarial assumptions

The actuarial valuations which are made yearly to determine the financial condition of the retirement system and the contribution rates required to provide the benefits are based upon various assumptions as to the amounts of benefits that will be paid in the future, the periods during which such benefits will be paid and the rates of income that will be received from the invested assets of the system. The actuarial assumptions upon which the valuations summarized in this report were based are set forth in Section D hereof. They were adopted by the board of trustees to be effective for all contributions payable under the retirement system on or after July 1, 1978. Previous assumptions were revised as of that date based on an experience study of the actuarial assumptions which had been made for the fiscal periods 1970 through 1975, as required by Section 1031, subsection 12, paragraph C.

## SECTION B

### VALUATION RESULTS

The results of the actuarial valuations as to contribution requirements are summarized in Section A hereof. This section contains certain additional details of the financial condition of the system, including an analysis of the factors affecting the actuarial experience of the system during the last fiscal period.

#### 1. Actuarial Balance Sheet

An actuarial balance sheet presents the numerical results of the solution of the basic cost equation for benefits under a retirement system, viz:

$$\text{Contributions} + \text{Investment Income} = \text{Benefits}$$

The actuarial mathematical techniques used in solving the equation remove investment income as a separate item by combining it with contributions and benefits through a discounting process for a designated period of time. This changes the expression for the equation to:

$$\begin{aligned} &\text{Discounted Value of Future Contributions} + \\ &\text{Invested Assets (Balance of Accumulated Past Contributions)} = \\ &\text{Discounted Value of Future Benefits} \end{aligned}$$

In the actuarial balance sheet the items of the left hand side of the equation are designated as "assets" and those of the right hand side as "liabilities". However, an actuarial balance sheet is not a presentation of net worth as in an accounting balance sheet and, for example, there is no such item as surplus. Also, liabilities do not represent present amounts of debt but are merely measurements of future benefit payments determined under a given set of assumptions as to future occurrence.

The actuarial balance sheet for the June 30, 1981 actuarial valuation of state employee and teacher benefits is presented on the next following page.

The state contribution rates required, together with member contribution rates, to produce the present value of future contributions shown in asset item (2) of the balance sheet are those set forth in subsection 2 of Section A of the report on the actuarial valuation as of June 30, 1980. The allocation of the total contributions of the state and employees between future membership service and accrued service is affected by certain legislative enactments in 1970 and later which is commented on in subsection 6 of this section and subsection 6 of section D of this report.

Asset item (2) (b) of the balance sheet is the present value of the future accrued service contributions that will be required for payment of accrued benefits, i.e. benefits measured by past membership service and prior service not provided by current invested assets. It is equal to the amount of unfunded accrued benefit reserve which is commonly referred to as the "unfunded liability".

It may be noted that the unfunded value of accrued benefits as shown in the balance sheet reflects the amount of such benefits projected by the salary scale and cost of living assumptions used in the actuarial valuation. Therefore, the amount of such accrued benefits is greater than the amount determined on salary experience to date of valuation, which would apply in the determination of the amount of accrued benefits applicable in the case of either employees terminating employment with vested benefits or termination of the plan. The "unfunded liability" is not a proper measurement of past funding of accrued benefits for purposes not related to determining future contribution requirements under the retirement system on the basis of the funding method adopted for the system.

TOWNE

ACTUARIAL BALANCE SHEET - JUNE 30, 1981

<u>Assets</u> (Value expected income)	<u>State</u> <u>Employees</u>	<u>MTRA</u> <u>Teachers</u>	<u>Old System</u> <u>Teachers</u>	<u>All</u> <u>Employees</u>
(1) <u>Invested Assets</u>				
(a) Members contribution fund	\$ 86,440,998	\$125,137,655	0	\$ 211,578,653
(b) Retirement allowance fund	74,189,112	99,473,581	\$(169,235,764)	4,426,929
(c) Total invest. income (a + b)	160,630,110	224,611,236	(169,235,764)	216,005,582
(2) <u>Future Contributions</u>				
(a) Future membership service	146,005,975	188,919,628		334,925,603
(b) Accrued service	365,413,061	404,546,015	231,321,309	1,001,280,385
(c) Total cont. income (a + b)	511,419,036	593,465,643	231,321,309	1,336,205,988
(3) <u>Value Total Income (1 + 2)</u>	672,049,146	818,076,879	62,085,545	1,552,211,570
<u>Liabilities</u> (Value expected benefit payments)				
(1) <u>Active Employees</u>				
(a) Future membership service	146,005,975	188,919,628	0	334,925,603
(b) Accrued service	218,034,272	218,875,811	0	436,910,083
(c) Total active benefits (a + b)	364,040,247	407,795,439	0	771,835,686
(2) <u>Retired Employees</u>				
(a) Past membership service	208,275,560	239,168,525	14,821,263	462,265,348
(b) Prior service	24,325,615	69,204,897	18,298,505	111,829,017
(c) Cost of living	75,407,724	101,908,018	28,965,777	206,281,519
(d) Total ret. benefits (a + b + c)	308,008,899	410,281,440	62,085,545	780,375,884
(3) <u>Value Total Benefits (1 + 2)</u>	672,049,146	818,076,879	62,085,545	1,552,211,570

Note: Items indicated as applicable to active employees also include the benefits of terminated employees who have vested benefits payable to them at a future date.

## 2. Accrued Benefit Reserve Funding

The reserve value of the total accrued benefits is equal to the value of the total benefits shown in the actuarial balance sheet (item (3) of the liabilities) after elimination of the value of the active employees future membership service benefits (item (1) (a) of the liabilities). The unfunded value of such reserve is the balance remaining after subtraction of the amount of invested assets (item (1) of the assets), which is equal to the amount of future contributions for accrued service (item (2) (b) of the assets).

### a) State employee and teacher valuations

The chart on page 15 shows the funding position of the accrued benefit reserve of state employee and teacher benefits for the last four fiscal periods, i.e. those ending June 30, 1978, June 30, 1979, June 30, 1980 and June 30, 1981. The valuations for 1977 and prior years were on different actuarial assumptions and therefore the accrued benefit reserve amounts for those years are not comparable.

The items in the chart include (1) the amount of the total annual salaries and the change in the amount from the previous year, (2) the amount of the accrued benefit reserve and the percentage of the reserve funded by the assets of the system and (3) the amount of the unfunded accrued benefit reserve to be liquidated by future contributions, the remaining years in the funding period and the ratio of the amount of the unfunded reserve to the amount of the annual salaries.

The following considerations should be noted when interpreting the results shown in the chart:-

- i) The most reliable index of the adequacy of the funding method and contributions is the progress in the reduction of the remaining funding years, which is intended to reduce by one year for each succeeding fiscal period.
- ii) The unfunded reserve may increase in amount even though the funding contributions are adequate and the funding period is reducing as scheduled, due to contributions being related to an increasing salary scale, and in the case of the accrued service contribution rate increasing at a constant percentage each year, which may produce a pattern of contributions which do not completely provide for the benefit requirements of each future fiscal period. This may occur, in particular, where a large percentage of the unfunded reserve results from the reserve for retired employee benefits and the funding period is greater than the average future benefit period.
- iii) The percentage of accrued benefits funded will normally increase with the decrease in the funding period. However, it will be affected by any increase in benefits due to accrued service that is to be funded by future contributions. Also, it will be affected by the required yearly percentage increase in the accrued benefit contribution rate since that will result in an accelerated increase in the funding ratio in future years.

- iv) In order to reach any valid conclusions based on a comparison of the unfunded accrued benefit reserve of different retirement systems using any of the indices shown in the chart it is necessary to know the time a system has been in effect and the extent and times changes have been made in the benefits of a system particularly since benefit improvements are normally applicable to all service prior to the date of change and may be applicable to present retirees as well as future retirees.

The Maine Retirement System has existed since 1941 for state employees and since 1924 for teachers. Benefit changes since 1970 have increased the basic formula by 40%, applicable to both active employees and retirees. Such changes have naturally increased the accrued benefit reserve to a considerable extent which has in turn increased the unfunded reserve in amount and decreased its funded percentage. As noted from the actuarial balance sheet on page 9 hereof the value of retired benefits is currently 50% of the value of total benefits which reflects the maturity of the system. (64% of the value of accrued benefits).

When comparing the unfunded accrued benefit reserve of the Maine Retirement System with that of a system with benefits that are either supplemental to or integrated with those of the Social Security system that system's share of the unfunded accrued benefit reserve of the Social Security system should be taken into consideration.



- v) Contribution rates are determined on the actuarial assumption that total annual salaries will increase  $5\frac{1}{2}\%$  per year. Therefore, if the increase rate is greater than  $5\frac{1}{2}\%$  actuarial gains will result, if less than  $5\frac{1}{2}\%$  losses will result.
- vi) Accrued benefits are a function of salaries and therefore the amount of the accrued benefit reserve will normally increase with an increase in the total amount of salaries. The amount of unfunded reserve may also increase but its ratio to the total amount of salaries will normally decrease if the regular funding requirements are being met.

The results for the fiscal period ending June 30, 1981 show the following:-

- i) The percentage increase of the total amount of salaries of state employees and teachers was 8% which produced an actuarial gain.
- ii) The percentage of funded accrued benefit reserve increased for state employees and mtra teachers, which has been a continuing trend during the four fiscal period.
- iii) The net actuarial experience for the fiscal period ending June 30, 1981 with respect to state employees and mtra teachers was favorable compared with the experience encompassed by the actuarial assumptions which is indicated by the decrease of 1.1 years in the funding period (column (5) of the chart) instead of the scheduled decrease of one year. However, the decrease for the two year period from June 30, 1979 was 1.9 years, slightly less than the funding requirement, which will result in an increase of .05 in the accrued service rate when determined for the biennium commencing July 1, 1983.

- vi) Contributions to fund the old system teachers benefits commenced on July 1, 1981 with a funding period of 19 years, i.e. to the year 2000, which is essentially the funding period for state employees and mtra teachers benefits. The contribution requirements for the benefits of all active and retired state employees and teachers are now based on an actuarial funding method.
- v) The ratio of the amount of the unfunded reserve to the amount of annual salaries decreased, which has generally been the trend of the last four fiscal years.

**Accrued Benefit Reserve Funding - State Employees and Teachers**

15

Employee Group	(1) State	(Amounts shown in thousands)			(5) (1) + (2) S & MTRA	(6) (1) + (2) + (3) All Employees
		(2) MTRA Teachers	(3) Old System Teachers	(4) (2) + (3) All Teachers		
		June 30, 1981				
(1) Annual Salaries	\$179,017	\$224,224	\$ 0	\$224,224	\$ 403,241	\$ 403,241
(a) Ratio/1980	111	105	0	105	108	108
(2) Acc. Benefit Res.	526,043	629,157	62,086	691,243	1,155,200	1,217,286
(a) % funded	30.5	35.7	(272.6)	8.0	33.3	17.7
(3) Unfunded Reserve	365,413	404,546	231,321	635,867	769,959	1,001,280
(a) Funding years	21.1	16.9	19.0*	17.6*	18.7	18.7*
(b) Ratio/salaries	204	180	0	284	191	248
		June 30, 1980				
(1) Annual Salaries	160,576	214,265	0	214,265	374,840	374,840
(a) Ratio/1979	119	106	0	106	111	111
(2) Acc. Benefit Res.	479,796	585,505	66,016	651,521	1,065,301	1,131,317
(a) % funded	28.8	33.5	(220.4)	7.8	31.4	16.7
(3) Unfunded Reserve	341,427	389,439	211,515	600,954	730,866	942,381
(a) Funding years	23.2	17.6	0	26.2	19.8	25.0
(b) Ratio/salaries	213	182	0	280	195	251
		June 30, 1979				
(1) Annual Salaries	134,717	203,073	0	203,073	337,790	337,790
(a) Ratio/1978	106	108	0	108	107	107
(2) Acc. Benefit Res.	427,857	545,768	69,906	615,674	973,624	1,043,530
(a) % funded	28.5	31.8	(179.4)	7.8	30.4	16.3
(3) Unfunded Reserve	306,034	372,053	195,305	567,358	678,087	873,392
(a) Funding years	25.3	17.9	0	26.5	20.6	26.1
(b) Ratio/salaries	227	183	0	279	201	259
		June 30, 1978				
(1) Annual Salaries	126,578	188,666	0	188,666	315,243	315,243
(a) Ratio/1977	114	99	0	99	106	106
(2) Acc. Benefit Res.	395,665	494,575	70,654	565,229	890,240	960,894
(a) % funded	28.2	31.9	(151.5)	9.0	30.2	16.9
(3) Unfunded Reserve	284,244	336,733	177,667	514,400	620,977	798,644
(a) Funding years	25.7	18.1	0	26.8	20.9	26.4
(b) Ratio/salaries	225	178	0	273	197	253

\*The reduction in funding years reflects the commencement on July 1, 1981 of contributions to fund the liabilities of the old system teachers benefits.

b) Participating district employee valuations

The funding period of the accrued benefit reserve for the 251 participating districts included in the valuation varies as follows:

Funding Period (Years)	Number of Participating Districts		Percentage of Participating Districts	
	For Period	Accumulated	For Period	Accumulated
0	136	136	54%	54%
1 - 09	83	219	33	87
10 - 14	20	239	8	95
15 - 19	5	244	2	97
20 - 24	6	250	2	99
25 and over	1	251	less than 1	100
Total	251	251	100	100

An analysis of the total unfunded accrued benefit reserve of the 115 districts which had any unfunded reserves as of June 30, 1981 is as follows:

i) Annual salaries	\$82,119,845
ii) Unfunded reserve	95,591,034
(A) Ratio/salaries	116
(B) % funded	51.6
(C) Average funding period	6.6 years, arithmetic average or 21.6 years, weighted by unfunded reserves.

Compared with the results of the 1980 actuarial valuation of the districts, the percentage of districts with no unfunded reserve increased from 44% to 54% (34% in 1979), the percentage funded increased from 49.1% to 51.6% and the average remaining funding period decreased by .6 years when weighted by the amount of unfunded reserve. Also, the ratio of unfunded reserve to salaries including districts without any unfunded reserve was 84% vs. 94% in 1980.

### 3. Survivor Benefits Reserve

The funding of the survivor benefits provided under the system for all members, i.e. state employees, teachers and participating district employees, is based upon a group term funding method and the state is liable for the payment of all survivor benefits to beneficiaries after such benefits have been incurred.

The trust fund reserves applicable to the survivor benefits account amounted to \$16,576,195 on June 30, 1981. The contributions paid into the survivor benefits fund for the fiscal period ending June 30, 1981 were adequate in amount to provide for the reserves for new benefits incurred during the period and for an amortization payment sufficient to liquidate the reserve deficit on state and teachers survivor reserves which arose in previous years. A continuance of the current level of survivor benefit contributions rates for state and teachers survivor benefits will fund within 4 years the increase in reserves due to the 50% increase in benefits that will be effective July 1, 1982.

### 4. Disability Benefits Reserve

The funding of the disability benefits determined on the 2/3 salary formula that was effective July 1, 1977 is based upon a group term funding method of the same nature as that used for survivor benefits.

For the fiscal period ending June 30, 1981 the state contributions for the disability benefits of state employees and teachers, and the participating district contributions, adequately provided for the reserves for new benefits incurred during that period (reserves were 65% of contributions). The trust fund reserves applicable to the disability benefits account amounted to \$2,011,988 on June 30, 1981 and claim reserves were approximately 49% of such amount.

Thus the financial requirements of the disability claims incurred under the 2/3 benefits program have been adequately provided.

5. Accidental Death Benefits Reserve

Section 1125 of the Maine State Retirement System Laws provides for certain survivor benefits in the event of the death of any member of the Retirement System in the line of duty, which automatically applies to all state employees, teachers and participating district employees.

The funding of the accidental death benefits is based upon a group term funding method of the same nature as that used for survivor benefits and the 2/3 disability benefits.

A separate trust fund account was first established for the accidental death benefits as of June 30, 1980. For the fiscal period ending June 30, 1981 state and participating district contributions provided 41% of the claim reserves for new benefits incurred during that period. The trust fund reserves applicable to the accidental death benefits account amounted to \$684,200 and claim reserves were approximately 184% of such amount.

The claim experience has been adverse for the two fiscal years ending June 30, 1981. However, a fairly long period is required to evaluate the claim experience under this type of benefit because of the infrequency of claim occurrence and the large amount of the individual claim reserves. For the two year period there were 8 claims with an average reserve of \$157,000, ranging from \$61,000 to \$243,000 with 6 claims over \$100,000 and 3 over \$200,000.

#### 6. Employer - Employee Contributions

Section 1031, subsection 12, paragraph B, of the retirement system laws states that the results of the actuary's annual valuation of the assets and liabilities of the system shall be separated between those applicable to benefits payable by employer and employee contributions, where properly determinable. This requires separation of the invested assets of the system both as to the amount of the members contribution fund which currently exists for members who have not yet elected the commencement of benefits and as to the balance of the assets which has been allocated for payment benefits, and arises from both employer and employee past contributions. Also, it requires the separation of the liabilities for retirement benefits provided by the enactments in 1970 and later, in accordance with the provisions of section 1095, subsection 8 of the laws.

Complete information is currently not available as to the separation of invested assets between past employer and employee contributions and therefore it is not possible to determine the separation of the unfunded accrued benefit reserve as to future employer and employee contribution requirements. Further, such a separation may not be necessary until the accrued benefit reserve has been completely funded.

## 7. Fiscal Year Actuarial Experience

The experience during the fiscal period July 1, 1980 through June 30, 1981 as to certain actuarial items which affected the funding of the retirement system benefits are discussed in this subsection. It includes all of the actuarial assumptions except those assumptions that require an extended period for analysis and are reviewed in the periodic actuarial investigations, e.g. mortality and withdrawal rates.

### a) Accrued benefit reserve

- i) The effect on the accrued benefit reserve of the experience during the fiscal period ending June 30, 1981 is discussed in subsection 2 preceding in this section.

The net effect on the accrued service contribution rate due to the experience during the biennium ending June 30, 1981 was an increase of .05 in the rate that will be determined for the biennium commencing July 1, 1983. Since contribution rates are determined for biennium periods, adjustments due to experience gains and losses for a fiscal period are not effective until the next succeeding biennium.

### b) Actuarial experience gains and losses

The experience under the actuarial assumptions described at the beginning of this subsection, for the fiscal year ending June 30, 1981, is discussed following in this subsection. For practical purposes, the net experience as to the actuarial assumptions resulted in but little gains or losses in total, i.e. the actuarial assumptions as a whole were adequate for funding purposes.



c) Investment experience

i) Investment rates

The rates of investment return for the fiscal period were as follows:

- (A) Fixed income 12.02% on book basis, excluding capital gains and losses
- (B) Equities 3.92% on book basis  
7.34% with 5 year average market gains
- (C) All assets 8.56% on book basis  
9.95% on book basis plus 5 year average stock market gains, which is the asset base of the actuarial valuation, excluding capital gains and losses.

The investment earnings rate on all investments determined on the actuarial valuation assumption basis, excluding capital gains and losses, has been as follows for the last 5 fiscal periods: 3.56%, 5.24%, 8.45%, 8.72% and 9.95%. Prior to 1980 the experience rate was below the actuarial assumption rate of 8.50% and actuarial losses resulted in each fiscal period, when measured against that assumption. However, the rate for the last two periods has been in excess of the 8.50% assumption, resulting in actuarial gains.

The asset base of the actuarial valuation reflected the following adjustments for the excess or deficit of the market value of stocks over the book value of stocks at the respective endings of the last periods, viz:- (values in thousands) \$2,477, \$2,502, \$11,395, \$21,618 and \$40,160 for the years ending June 30, 1977 through June 30, 1981.

For the fiscal period ending June 30, 1981 trust fund balances of the system were increased by \$18,443,057 due to net asset gains which resulted in a positive balance of \$7,974,564 for the reserve against future losses, the first positive balance since 1971. The net investment experience for the fiscal period resulted in actuarial gains which were equivalent to a decrease in the accrued service contribution rate of approximately .43% of employee compensation.

d) Salary scales

Average salaries used in the valuations increased approximately 9% from the previous fiscal period for combined state employees and teachers (11% for state employees and 8% for teachers). Therefore, accrued service benefits of all active employees increased more than expected, the assumption rate being 5½%.

Employee contributions increased more than expected as did state contributions for state employees. However, state contributions for teachers benefits were less than required since such contributions are paid as fixed amount contributions for the fiscal period instead of as a percentage of employee compensation which is the basis for all employee contributions and the state contributions for state employee benefits. The state contribution for teacher benefits is always determined as a percentage of employee compensation and therefore state contributions for teacher benefits are always less than required for any fiscal period as long as salaries increase from year to year.

The salary base for accrued contributions increased by 7.6% compared with an actuarial assumption of 5.5% which produced actuarial gains.

For the fiscal period ending June 30, 1981 net actuarial losses due to total salary scale experience were equivalent to an increase in the accrued service contribution rate of approximately .27% of employee compensation.

e) Retirement age

The normal retirement age for regular employees commences at age 60 with continuance thereafter at the employee's option. The average retirement age was generally close, prior to 1972, to age 65, the actuarial assumption, but it has generally decreased slowly since that time. However, in the last fiscal period it was approximately 62.6 years for state employees and teachers combined, weighted by benefit reserves, compared with 62.9 for the 1980 fiscal period and 62.6 for the 1979 fiscal period. Thus there was an actuarial loss during the fiscal period due to the higher than expected reserves required for new retirees electing normal retirement.

The retirement benefits of employees who retire prior to age 60 are classified in pension parlance as subsidized early retirement benefits since the amounts of the early retirement benefits are of greater amounts than the actuarial equivalence of the benefits that have accrued to commence at age 60, the earliest normal retirement age. Therefore, actuarial losses result from early retirements since the accrued benefit reserve to be funded is increased. For the last fiscal period such losses increased benefit reserves by approximately 11%. The amount of such subsidy losses for the fiscal period ending June 30, 1981 was over twice the amount for the 1980 fiscal period but about the same amount as for the 1979 fiscal period.

For the fiscal period ending June 30, 1981 net actuarial losses due to an average retirement age less than expected and subsidized early retirement benefits were equivalent to an accrued service contribution rate of approximately .23% of employee compensation, about the same as for the 1980 fiscal period.

f) Optional methods of payment of retirement allowances

Options 2 and 3 of the optional methods of payment of retirement allowances provide subsidized benefits when elected by male employees with their spouse as beneficiary, since the benefits in such cases are greater than the actuarial equivalence. Therefore, actuarial losses occur from such elections since the benefit reserve is increased. For the last fiscal period the actuarial losses were equivalent to an accrued service contribution rate of approximately .01% employee compensation.

SECTION CEMPLOYEE STATISTICS AS OF JULY 1, 1981

This section of the report present certain compilations of the individual employee data which was used in the actuarial valuations.

1. Distribution of Active Employees (State and Teachers)a) State Employees

Age Group	No.	Annual Salaries		Annual Retirement Benefits		Average Years Serv. at Ret.
		Total	Average	Average	% Salaries	
i) <u>Males</u>						
65 & over	214	\$ 2,743,003	\$12,818	\$ 4,592	36%	16
60 - 64	478	6,757,590	14,137	5,923	42	19
55 - 59	803	12,500,196	15,567	8,366	54	25
50 - 54	975	15,421,660	15,817	9,611	61	29
45 - 49	914	14,322,771	15,670	10,496	67	32
40 - 44	842	13,703,039	16,274	11,725	72	35
35 - 39	1169	18,276,245	15,634	11,864	76	37
30 - 34	1426	19,497,519	13,673	10,881	80	39
25 - 29	1007	11,027,943	10,951	9,110	83	41
24 & under	612	4,024,669	6,576	5,867	89	45
Total	8440	118,274,635	14,014	9,659	69	34
ii) <u>Females</u>						
65 & over	111	1,257,959	11,333	4,118	36	17
60 - 64	305	3,664,658	12,015	4,596	38	18
55 - 59	507	5,933,830	11,704	5,405	46	22
50 - 54	550	6,170,922	11,220	5,532	49	23
45 - 49	536	5,886,725	10,983	6,245	57	27
40 - 44	550	5,971,187	10,857	7,039	65	31
35 - 39	638	7,232,272	11,336	8,061	71	35
30 - 34	902	9,797,020	10,861	8,465	78	38
25 - 29	981	9,547,813	9,733	8,133	84	42
24 & under	754	5,279,960	7,003	6,300	90	45
Total	5834	60,742,346	10,412	6,919	66	33
iii) <u>All</u>						
65 & over	325	4,000,962	12,311	4,430	36	16
60 - 64	783	10,422,248	13,311	5,406	41	19
55 - 59	1310	18,434,026	14,072	7,220	51	24
50 - 54	1525	21,592,582	14,159	8,140	57	27
45 - 49	1450	20,209,496	13,938	8,924	64	30
40 - 44	1392	19,674,226	14,134	9,874	70	33
35 - 39	1807	25,508,517	14,117	10,521	75	36
30 - 34	2328	29,294,539	12,584	9,945	79	39
25 - 29	1988	20,575,756	10,350	8,628	83	41
24 & under	1366	9,304,629	6,812	6,106	90	45
Total	14274	179,016,981	12,541	8,539	68	34

b) Teachers

Age Group	No.	Annual Salaries		Annual Retirement Benefits		Average Years Serv. at Ret.
		Total	Average	Average	% Salaries	
i) <u>Males</u>						
65 & over	16	\$ 270,400	\$16,900	\$ 8,684	51%	26
60 - 64	82	1,371,353	16,724	8,972	54	25
55 - 59	355	6,116,397	17,229	10,414	60	30
50 - 54	410	7,372,487	17,982	12,321	69	34
45 - 49	813	14,329,518	17,625	12,829	73	36
40 - 44	954	16,164,202	16,944	12,756	75	37
35 - 39	1454	23,097,515	15,885	12,461	78	39
30 - 34	1565	21,163,179	13,523	10,992	81	40
25 - 29	714	7,754,463	10,861	9,029	83	41
24 & under	108	941,356	8,716	7,490	86	43
Total	6471	98,580,870	15,234	11,559	76	38
ii) <u>Females</u>						
65 & over	77	1,018,361	13,225	6,392	48	23
60 - 64	325	4,291,656	13,205	6,684	51	23
55 - 59	642	8,643,184	13,463	7,458	55	26
50 - 54	924	12,135,972	13,134	7,942	60	29
45 - 49	1070	13,557,059	12,670	8,235	65	31
40 - 44	1277	16,180,036	12,670	8,912	70	34
35 - 39	1661	20,163,584	12,139	9,088	75	37
30 - 34	2315	27,522,728	11,889	9,606	81	40
25 - 29	1856	18,911,675	10,189	8,530	84	42
24 & under	402	3,219,007	8,007	6,903	86	43
Total	10549	125,643,262	11,910	8,619	72	36
iii) <u>All</u>						
65 & over	93	1,288,761	13,858	6,787	49	24
60 - 64	407	5,663,009	13,914	7,145	51	24
55 - 59	997	14,759,581	14,804	8,510	57	27
50 - 54	1334	19,508,459	14,624	9,288	64	30
45 - 49	1883	27,886,577	14,810	10,219	69	33
40 - 44	2231	32,344,238	14,498	10,556	73	35
35 - 39	3115	43,261,099	13,888	10,662	77	38
30 - 34	3880	48,685,907	12,548	10,165	81	40
25 - 29	2570	26,666,138	10,376	8,669	84	42
24 & under	510	4,160,363	8,158	7,028	86	43
Total	17020	224,224,132	13,174	9,737	74	37

c) Summary of All Active Employees

i)	Number of employees	31,294
ii)	Distribution by sex	48% male, 52% female
iii)	Annual salaries	\$403,241,113
iv)	Average annual salaries	\$12,886
v)	Average annual benefit	\$9,191
vi)	% benefits of salaries	71%
vii)	Average years service at retirement	35 years



2. Distribution of Retired Employees (State and Teachers)a) State Employees

<u>Number of Employees</u>		<u>Average Annual Benefits</u>			
		<u>Membership Service</u>	<u>Prior Service</u>	<u>Cost of Living</u>	<u>Total</u>
i) <u>Regular Benefits</u>					
F	2192	\$2,178	\$3,741	\$1,107	\$3,660
M	1351	2,546	4,831	1,235	4,265
	3543	2,319	416	1,156	3,890
ii) <u>Option 1 Benefits</u>					
F	322	2,441	483	1,535	4,459
M	302	2,690	451	1,653	4,794
	624	2,561	467	1,593	4,621
iii) <u>Option 2 Benefits</u>					
F	56	2,302	429	997	3,727
M	584	3,111	429	1,078	4,618
	640	3,040	429	1,071	4,540
iv) <u>Option 3 Benefits</u>					
F	83	3,398	615	1,534	5,547
M	728	4,683	686	2,026	7,395
	811	4,552	678	1,975	7,206
v) <u>Option 4 Benefits</u>					
F	50	2,370	149	528	3,046
M	258	4,883	383	921	6,187
	308	4,475	345	857	5,677
vi) <u>Other Disability Benefits</u>					
F	37	4,316	74	1,699	6,089
M	121	5,739	76	1,809	7,624
	158	5,406	75	1,783	7,264
vii) <u>All Benefits</u>					
F	2740	2,281	387	1,166	3,834
M	3344	3,419	492	1,414	5,325
	6084	2,906	445	1,302	4,654

b) MTRA Teachers

Number of Employees		Average Annual Benefits			
		<u>Membership Service</u>	<u>Prior Service</u>	<u>Cost of Living</u>	<u>Total</u>
i) <u>Regular Benefits</u>					
F	3280	\$3,239	\$1,182	\$1,657	\$6,078
M	471	3,250	780	1,362	5,392
	<u>3751</u>	<u>3,241</u>	<u>1,131</u>	<u>1,620</u>	<u>5,992</u>
ii) <u>Option 1 Benefits</u>					
F	388	3,066	1,452	2,210	6,728
M	70	4,038	1,306	2,544	7,889
	<u>458</u>	<u>3,214</u>	<u>1,430</u>	<u>2,261</u>	<u>6,905</u>
iii) <u>Option 2 Benefits</u>					
F	152	3,010	1,139	1,582	5,731
M	215	4,795	1,173	1,944	7,912
	<u>367</u>	<u>4,055</u>	<u>1,159</u>	<u>1,794</u>	<u>7,008</u>
iv) <u>Option 3 Benefits</u>					
F	272	3,972	1,379	1,791	7,142
M	223	5,503	1,631	2,805	9,939
	<u>495</u>	<u>4,662</u>	<u>1,492</u>	<u>2,248</u>	<u>8,402</u>
v) <u>Option 4 Benefits</u>					
F	78	4,044	763	716	5,522
M	105	5,590	590	1,074	7,254
	<u>183</u>	<u>4,931</u>	<u>664</u>	<u>921</u>	<u>6,516</u>
vi) <u>Other Disability Benefits</u>					
F	54	5,850	442	1,993	8,286
M	37	8,165	55	2,023	10,243
	<u>91</u>	<u>6,791</u>	<u>285</u>	<u>2,005</u>	<u>9,081</u>
vii) <u>All Benefits</u>					
F	4224	3,311	1,200	1,701	6,212
M	1121	4,425	1,016	1,829	7,270
	<u>5345</u>	<u>3,544</u>	<u>1,162</u>	<u>1,728</u>	<u>6,434</u>

c) Old System Teachers

Number of Employees		Average Annual Benefits			
		<u>Membership Service</u>	<u>Prior Service</u>	<u>Cost of Living</u>	<u>Total</u>
i) <u>Regular Benefits</u>					
F	1163	\$1,051	\$1,494	\$2,329	\$4,874
M	87	961	1,517	2,499	4,976
	<u>1250</u>	<u>1,044</u>	<u>1,496</u>	<u>2,341</u>	<u>4,917</u>
ii) <u>Option 1 Benefits</u>					
F	224	1,538	1,825	3,177	6,540
M	17	2,055	1,653	3,189	6,898
	<u>241</u>	<u>1,575</u>	<u>1,813</u>	<u>3,178</u>	<u>6,565</u>
iii) <u>Option 2 Benefits</u>					
F	31	1,756	1,584	2,491	5,830
M	5	684	1,298	1,717	3,700
	<u>36</u>	<u>1,607</u>	<u>1,544</u>	<u>2,383</u>	<u>5,534</u>
iv) <u>Option 3 Benefits</u>					
F	66	1,743	1,838	2,980	6,561
M	18	2,102	2,945	4,745	9,793
	<u>84</u>	<u>1,820</u>	<u>2,075</u>	<u>3,358</u>	<u>7,254</u>
v) <u>Option 4 Benefits</u>					
F	8	2,426	2,373	2,745	7,543
M	8	2,261	2,873	4,890	10,024
	<u>16</u>	<u>2,343</u>	<u>2,623</u>	<u>3,817</u>	<u>8,784</u>
vi) <u>Other Disability Benefits</u>					
F	1	1,691	2,991	3,047	7,729
M	0	-	-	-	-
	<u>1</u>	<u>1,691</u>	<u>2,991</u>	<u>3,047</u>	<u>7,729</u>
vii) <u>All Benefits</u>					
F	1493	1,177	1,567	2,491	5,234
M	135	1,318	1,797	2,998	6,112
	<u>1628</u>	<u>1,189</u>	<u>1,586</u>	<u>2,533</u>	<u>5,307</u>

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d) Summary of All Retired Employees

- |      |                                  |                       |
|------|----------------------------------|-----------------------|
| i)   | Number of employees              | 13,057                |
| ii)  | Annual benefits                  | \$71,341,108          |
| iii) | Average annual benefit           | \$5,464               |
| iv)  | Distribution by sex              | 62% female - 38% male |
| v)   | Distribution by option:          |                       |
| -    | no option                        | = 59%                 |
| -    | option 1                         | = 11                  |
| -    | option 2                         | = 08                  |
| -    | option 3                         | = 15                  |
| -    | option 4                         | = 04                  |
| -    | other disability                 | = 03                  |
| vi)  | Distribution of benefit credits: |                       |
| -    | membership credit                | 54%                   |
| -    | prior service credit             | 16                    |
| -    | cost of living benefits          | 30                    |

The cost of living benefits have increased  
the regular plan benefits by 41%.

### 3. Distribution of Participating District Employees

a) Number of districts	251
b) Number of active employees	10,705
c) Annual salaries	\$114,098,104
d) Average annual salary	\$10,658
e) Distribution of districts by membership credit:	
i) 1/50th	80%
ii) 1/60th	19%
iii) 1/70th	01%
f) Districts with special benefits	16%
g) Districts with retirement allowance adjustments	43%
h) Retired employees:	
i) Districts with retired employees	72
ii) Number of retired employees	3,093
iii) Annual retirement benefits	\$10,652,872
vi) Average annual retirement benefit	\$3,444
v) Percentage of retired employees with retirement allowance adjustments	78%
vi) Percentage retirement allowance adjustment of total benefits for employees with the adjustment	24%

SECTION D  
ACTUARIAL ASSUMPTIONS

The actuarial assumptions upon which the valuations as of June 30, 1981 were based were adopted by the board of trustees to be effective with liabilities determined on and after July 1, 1978. The assumptions are presented following in this section of the report.

1. Amount of Benefits

- a) Benefit formula under the 1978 law revision.
- b) Salary scales salaries increase at the rate of  $5\frac{1}{2}\%$  by attained age.
- c) Cost of living adjustment benefits increase after commencement at the rate of 4% per year, the maximum under current provisions.

2. Probability of Receipt of Benefits

- a) Mortality rates after retirement
  - i) Teachers 1971 group annuity tables, ages set back 2 years.
  - ii) State employees 1971 group annuity tables.
  - iii) Participating district employees 1951 group annuity tables.
- b) Disability rates claim costs based on 1964 commissioners disability table; sample annual costs per \$100 monthly benefit are as follows:

Disability rates per \$100 monthly benefit	Age	Annual Cost
	22	\$ 5.05
	27	5.37
	32	6.96
	37	9.61
	42	13.95
	47	21.79
	52	31.97
	57	45.17

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- c) Termination rates before retirement, all causes

sample annual probabilities of termination are as follows:

<u>Age</u>	<u>Rate of Termination</u>
20	.08
30	.07
40	.06
50	.05
60	.05

- d) Retirement age

65 or earliest normal retirement date for special groups.

### 3. Investment Income

- a) Rates of future income

8½% per annum.

- b) Value of investments

- i) fixed income  
ii) equities

book value.  
cost adjusted by spreading market gains and losses over 5 years.

### 4. Contributions

- a) Employees

6½% of compensation for teachers and state employees except 7½% for some special state employee groups, 6½% or 5% for district employees except 8% for some policemen and firemen.

- b) Employer

normal cost plus cost of unfunded accrued benefit reserve liquidation; the accrued benefit contribution rate of the state increases by 3% of itself in successive fiscal periods.

The contributions of the state, as an employer, and state employees and teachers, are affected by the provisions of subsection 8 of section 1095 of the retirement system laws, the effect of which is outlined in subsection 6 of this section of this report.

5. Administrative Expenses provided by separate employer contributions.
6. Funding Method normal cost plus an accrued benefit reserve contribution for any year that is sufficient to reduce the remaining funding period of any unfunded accrued benefit reserve by one year from that of the previous fiscal period; experience gains and losses resulting from variations from actuarial assumptions are amortized over the remaining funding period of the accrued benefit reserve, creating credits to or charges against employer contributions; yearly term costs for ancillary death and disability benefits.

The allocation of cost between member contributions and employer contributions is determined as follows for regular state employees and teachers under the provisions of subsection 8 of section 1095 of the retirement system laws:-

- i) Membership service benefits
  - (A) based on 1/70th formula and 5 year average compensation - matching share for state contributions.
  - (B) based on increases over (A) - member contributions only.



ii) Prior service benefits - state contributions only

The interest assumption of the actuarial basis for contributions has been increased at various times since 1968 to lower member contribution rates otherwise payable when benefits have been increased, with no change in state contribution rates. Such changes have been as shown in the following chart.

Effect Of Changes In Interest Assumption

<u>Effective Date</u>	<u>Interest Assumption</u>	<u>Benefit Change</u>	<u>Member Contribution Rate</u>
Prior to 1968	3%	original retirement allowances, retirement allowance adjustments and survivor benefits	5 3/4%
September 1, 1968	4	no change	5
January 1, 1970	5	Chapter 415	6.14
September 1, 1970	5½	no change	5
January 1, 1972	5½	1/60th prior service for teachers	5.7 (made effective as part of Chapter 542)
October 3, 1973	6½	Chapter 542	6.5

After accrued benefits become fully funded only the normal contribution rate will be payable. The required rate will be affected by the then composition of the group of state employees and teachers as to employment ages and sex, each of which has a major effect on the normal contribution rate. The experience as to the factors included in the actuarial assumptions will, of course, also affect the contribution rate. Also, the meaning of "matching share" for member and state contributions might require more explicit definition than as stated in the Retirement System Laws.

The actuarial assumptions are reviewed periodically to determine how effectively the yearly financial requirements of the system are met by the projected experience.

Although the actuarial assumptions are individually examined, the net result of the interplay of all the assumptions is the primary consideration.

The experience as to some of the assumptions may be determined for each current fiscal period and such experience for the fiscal period 1980 - 81 is presented in section B hereof.

Other assumptions require analyses over longer periods of time in order to determine probable trends. The retirement system laws currently require such investigations of the experience of the system by the actuary as he deems necessary but at least once in each 3 year period following January 1, 1976.

## SECTION E

### RETIREMENT SYSTEM BENEFIT PROVISIONS

An outline of the conditions under which benefits become payable in accordance with the provisions of the Retirement System is presented in this section of the report. Benefits become available when an employee's status is changed for any of the following reasons:

1. Termination of employment under
  - a) Normal or early retirement conditions,
  - b) Ordinary disability retirement conditions, or
  - c) Occupational disability retirement conditions.
2. Death while
  - a) In active employment, or
  - b) After retirement; and
3. Termination of employment before completing any conditions for retirement when
  - a) Retirement benefits are vested, or
  - b) No benefits except refund of employee contributions are payable.

The provisions are based upon the retirement system laws in effect June 30, 1981.

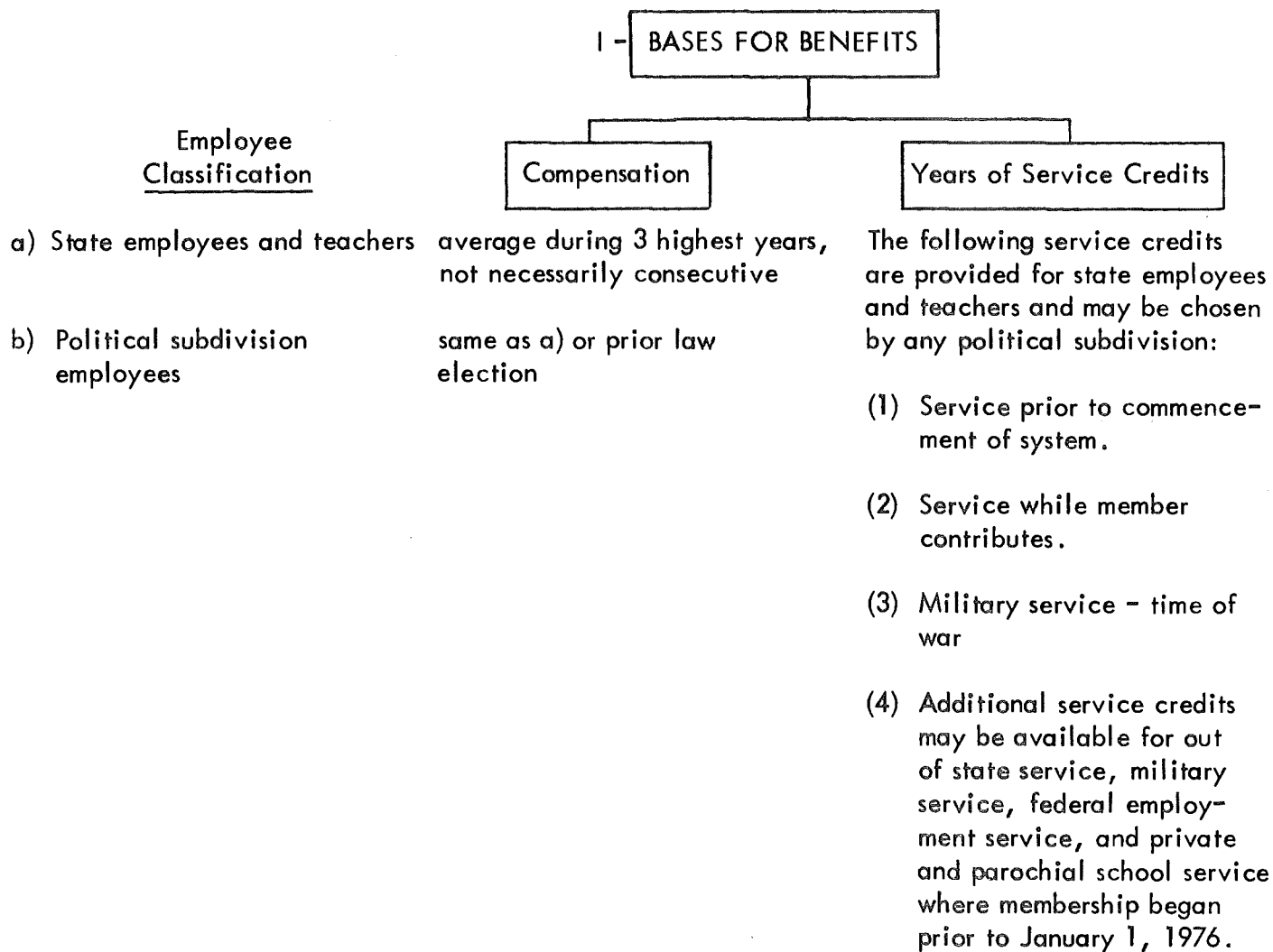
The Maine State Retirement System has received, in the past, favorable determination letters from the Federal Internal Revenue Service, stating the system is a qualified retirement plan for state employees and teachers under the Federal Internal Revenue Code as in effect prior to the Employee Retirement Income Security Act of 1974 (ERISA). Although it is not required that the system conform to the provisions of ERISA as respects the provisions for state employees and teachers it is necessary that the system continue to conform to the provisions of the pre-ERISA Internal Revenue Code.

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For practical purposes, the present provisions of the Maine State Retirement System meet the major ERISA requirements. The primary changes would be to increase the rate of interest credited on employee contributions to 5% and to allow employees to withdraw their contributions upon termination of employment after completing 10 years of service (the vesting conditions) and retain the right to receive the balance of their accrued benefits not provided by their contributions.

An additional feature that would arise because of ERISA would be automatic coverage under the termination insurance provided by the Pension Benefit Guaranty Corporation, the current annual premium for which is \$2.60 per participant, which includes active, terminated vested and retired employees. The insurance guarantees the sufficiency of plan assets in providing payment of accrued benefits if a plan is terminated, subject to assessment against the employer, up to 30% of the employer's net worth, for the amount of any plan asset deficiency. However, contributions to provide the benefits under the retirement system would have to be sufficient to meet the minimum funding standards of ERISA.

The qualification of the Maine State Retirement System under the requirements of the Federal Internal Revenue Code or ERISA as related to the participating districts would appear to depend upon the status of the individual districts.



## II - RETIREMENT CONDITIONS

<u>Employee Classification</u>	Normal Retirement	Early Retirement	Disability Retirement Regular and Occupational
a) State employees and teachers	age 60	25 yrs. service before age 60	anytime while in service and before normal retire- ment age
b) Political subdivision employees-regular benefits	same as a)	same as a) or prior law election	same as a) or prior law election
c) Special classifications i) State police	20 yrs.	same as normal	same as a)
ii) Law enforcement- Marine Resources and Inland Fisheries and Wildlife	20 yrs.	"	"
iii) Forest rangers	25 yrs. and age 50	"	"
iv) Law enforcement- Maine State Prison	20 yrs. and age 50	"	"
v) Airplane pilots	25 yrs. and age 55	"	"
vi) Liquor inspectors	25 yrs. and age 55	"	"
vii) Political subdivisions- all or only police- men or firemen	20 to 25 yrs. or may, for policemen or firemen, be 25 yrs. and age 55	"	same as a) or prior law election

### III - BENEFIT FORMULAS

Employee Classification	Normal Retirement	Early Retirement	Disability Retirement Regular and Occupational
a) State employees and teachers	2% of pay per yr. service; e.g. - 10 yrs. - 20% 20      40 25      50 35      70 50      100 - \$100 minimum, 10 yrs. service	normal retire- formula, reduced by age, e.g. - 25 yrs. service, 50% reduced to age      % 55      44 50      39 45      35	66-2/3% of average final pay- reduced by workmen's compen- sation benefits; changed to service retirement with disabi- lity years credited and pay assumed increased by cost of living adjustments when service benefit equals disability benefit but not later than 10 years after normal retirement age.
b) Political subdivision employees-regular benefits	same as a) or prior law election	same as a) or prior law election	same as a) or prior law election; reduced by social security disa- bility benefits if district has elected social security coverage.
c) Special classifications			
i) State group	50% of pay plus 2% additional for years past normal retirement	same as normal	same as a)
ii) Political subdivisions	50% of pay, may be 66-2/3% for policemen and firemen, may elect 2% additional for years past normal retire- ment	same as normal	same as a) or prior law election.

#### IV - OPTIONAL METHODS OF RETIREMENT PAYMENT

An employee may elect to receive his retirement allowance, normally payable only during his lifetime, under one of the following methods of payment:

- a) Cash refund option                      a reduced allowance with refund at death if payments provided by employee contributions have not totalled employee contributions.
- b) 100% survivor option                      a reduced allowance 100% of which is continued to another person after the employee's death.
- c) 50% survivor option                      a reduced allowance 50% of which is continued to another person after the employee's death.
- d) Equivalent value option                      benefits paid under some arrangement of equal value, as agreed to by the Board of Trustees.

#### V - COST OF LIVING ADJUSTMENTS

Adjustments are made in September of each year in the retirement allowances of retirees and dependents based on the percentage change in the Consumer Price Index for the preceding 12 months period from July 1st through June 30th, subject to a maximum change of 4%.

These adjustments apply to all state and teacher employees and to participating district employees if elected by a district.



# VI- DEATH BENEFITS

## Conditions for Death Benefits

Employee Contribution Refund	Group Life Insurance	Survivor Benefits
------------------------------------	----------------------	-------------------

### a) Death In Active Employ- ment or on Disability

#### i) Before eligibility for retirement

(A) Ordinary death      yes      1 or 2 yrs salary      \$100 to \$300 per month,  
lieu of contribution refund

#### (B) Service connected death

-all employees,      no      same as ordinary      66-2/3% to 100% of  
except for prior      average final pay, lieu  
law election by      of other benefits  
participating  
districts

#### ii) After eligibility for retirement

same as before eligibility for retirement except survivor benefits  
based on option 2 retirement payment may apply in lieu thereof.

### b) Death After Retirement

#### i) Service retirement

-all employees

if elected      1yr's salary reducing      if elected under option  
under option      to 25% at age 70; 10 yrs  
service required, exceptions

-state police, marine  
resources and inland  
fisheries and wildlife,  
political subdivisions

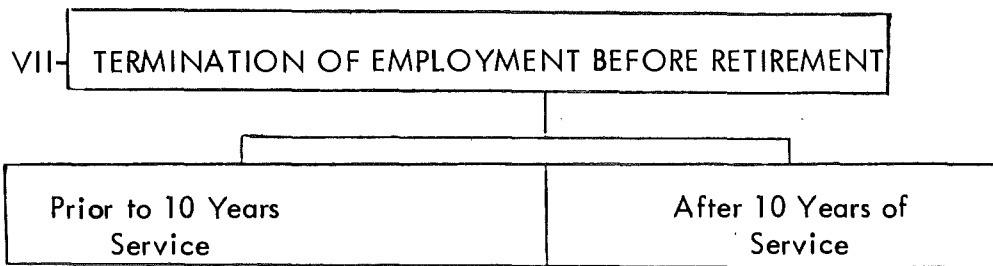
if elected  
under option

same as above

50% of allowance to spouse  
without option 3 reduction;  
political subdivision election  
includes children

#### ii) Disability retirement

same as death in active employment per a) above, except for prior  
law election by participating districts.



Members contributions with interest credits are refunded except no interest is credited for any period beyond 5 years after termination of employment.

Retirement benefits will commence at age 60 based upon credited service and compensation during employment, unless member withdraws contributions prior to the commencement of benefits.

VIII- EMPLOYEE CONTRIBUTIONS

a) Mandatory employee contribution rates are currently as follows:

- |      |   |   |
|------|---|---|
| i)   | Regular state employees and teachers  | 6.5%                                    |
| ii)  | State law enforcement officers including state police, forest rangers, wardens and prison guards. | 7.5                                     |
| iii) | Participating district employees  |   |
|      | (A) Regular benefits  | 6.5 or prior law election (6.14 or 5.0) |
|      | (B) Special benefits  | 8.0, 6.5 or prior law election (5.0)    |

b) Additional employee contributions may be made, up to 10% current compensation, to provide additional retirement benefits. Other additional amounts may be paid under prior law elections.

MAINE STATE RETIREMENT SYSTEM

Comparative Balance Sheet

at June 30

ASSETS

		<u>1981</u>	<u>1980</u>	<u>Increase or (Decrease)</u>
Investments:				
Bonds	Note I	\$131,375,921.76	\$117,101,913.87	\$ 14,274,007.89
Common Stocks	Note I	170,133,129.57	120,126,223.11	50,006,906.46
Mortgages	Note II	5,350,947.28	5,848,491.79	( 497,544.51)
Commingled Fund				
Morgan Guaranty Trust Co.	Note I	18,756,691.52	16,998,065.81	1,758,625.71
Travelers Insurance Co.	Note I	10,620,586.02	3,448,684.69	7,171,901.33
		<u>29,377,277.54</u>	<u>20,446,750.50</u>	<u>8,930,527.04</u>
Insured Guaranteed Contract	Note I	8,069,530.85	5,000,000.00	3,069,530.85
Cash - Time Deposit		<u>2,500,077.82</u>	<u>4,000,000.00</u>	( 1,499,922.18)
Total Investments		<u>346,806,884.82</u>	<u>272,523,379.27</u>	<u>74,283,505.55</u>
Other Assets:				
Cash (Demand Deposit)	Note III	33,892,717.56	39,149,222.41	( 5,256,504.85)
Cash (Fiduciary)		574,568.47	1,598,509.89	( 1,023,941.42)
Accrued Interest		2,932,865.54	4,228,247.73	( 1,295,382.19)
Accounts Receivable (Net)		13,737.21	1,851.00	11,886.21
Miscellaneous		<u>3,753.66</u>	<u>--</u>	<u>3,753.66</u>
Total Other Assets		<u>37,417,642.44</u>	<u>44,977,831.03</u>	( 7,560,188.59)
Total Assets		<u>\$384,224,527.26</u>	<u>\$317,501,210.30</u>	<u>\$ 66,723,316.96</u>
<u>TRUST RESERVES &amp; LIABILITIES</u>				
Trust Reserves:				
Members Contribution Fund - Current		\$261,979,140.48	\$236,662,246.64	\$ 25,316,893.84
Members Contribution Fund - Prior		206,983.31	265,133.47	( 58,150.16)
Retirement Allowance Fund		102,770,004.07	65,249,503.92	37,520,500.15
Survivor Benefit Fund		<u>16,420,050.35</u>	<u>13,234,330.06</u>	<u>3,185,720.29</u>
Total Trust Reserves		<u>381,376,178.21</u>	<u>315,411,214.09</u>	<u>65,964,964.12</u>

Liabilities & Operating Reserves:

Accounts Payable	248,346.54	352,030.22	( 103,683.68)
Reserve for Expenditures	721,821.80	572,136.12	149,685.68
State Retirees Health Insurance	1,878,180.71	1,165,774.77	712,405.94
Suspense (Credit Balance)	--	55.10	( 55.10)
Total Liabilities & Operating Reserves	<u>2,848,349.05</u>	<u>2,089,996.21</u>	<u>758,352.84</u>
Total Reserves & Liabilities	<u>\$384,224,527.26</u>	<u>\$317,501,210.30</u>	<u>\$ 66,723,316.96</u>

Note I Cost  
 Note II Cost less principal received and 1/15 discount  
 Note III Invested in State Treasurer's "Cash Pool"

Book Value of Investments per Northeast Banks of Lewiston & Auburn, Maine \$ 349,404,408.66  
 Deduct:  
 Trade-date Items not settled 2,597,523.84

Book Value of Investments per Maine State Retirement System \$ 346,806,884.82

Market Value of Securities, June 30, 1981

	BONDS	STOCKS	MORTGAGES	COMMINGLED FUND		UNIONMUTUAL	CASH	TOTAL
				MORGAN GUARANTY	TRAVELERS INS.	G.I.C.	TIME DEPOSIT	
Putnam	\$ 27,928,516.00	\$ 67,945,589.00	\$ --	\$ --	\$ --	\$ --	\$2,500,000.00	\$ 98,374,105.00
Alliance	32,854,042.00	77,202,701.00	--	--	--	--	--	110,056,743.00
Mass. Finance	31,810,424.00	--	--	--	--	--	--	31,810,424.00
Merrill Trust	4,050,000.00	16,727,050.00	--	--	--	--	--	20,777,050.00
Merchants	3,053,855.00	8,073,087.00	--	--	--	--	--	11,126,942.00
Babson	280,000.00	40,344,601.00	--	--	--	--	--	40,624,601.00
FMR Investment	12,002,418.00	--	--	--	--	--	--	12,002,418.00
Northeast Bank	<u>275,900.00</u>	<u>--</u>	<u>(a) 5,350,947.28</u>	<u>15,635,566.00</u>	<u>10,620,586.02</u>	<u>8,069,530.85</u>	<u>--</u>	<u>39,952,530.15</u>
Total	<u>\$112,255,155.00</u>	<u>\$210,293,028.00</u>	<u>\$5,350,947.28</u>	<u>\$15,635,566.00</u>	<u>\$10,620,586.02</u>	<u>\$8,069,530.85</u>	<u>\$2,500,000.00</u>	<u>\$ 364,724,813.15</u>

(a) Book Value - Market Value not available/Custodial Service only

<sup>1</sup>Unfunded Accrued Benefits (Liability) at June 30, 1981 - State Employees & Teachers

<sup>2</sup>Included in Unfunded Benefits (Liability<sup>1</sup>) is an amount of \$162,572,899.33, representing benefits paid and interest costs on "non-contributory" teachers in excess of funding which is considered payable by the State of Maine

<sup>3</sup>Unfunded Accrued Benefits (Liability) at June 30, 1981 - Participating Districts

\$1,001,280,385.00

\$ 95,591,034.00

MAINE STATE RETIREMENT SYSTEM

Balance Sheet

June 30, 1981

<u>Assets</u>		<u>Trust Reserves &amp; Liabilities</u>					
			<u>Total Fund</u>	<u>State</u>	<u>Teachers Post - 7/1/24</u>	<u>Teachers Pre - 7/1/24</u>	<u>Participating Districts</u>
Investments:		Trust Reserves:					
Bonds	\$131,375,921.76	Members Contribution					
Common Stocks	170,133,129.57	Fund - Current	\$261,979,140.48	\$ 89,756,233.59	\$127,275,816.06	\$ --	\$ 44,947,090.83
Mortgages	5,350,947.28						
Commingled Fund		Members Contribution					
Morgan Guaranty Trust		Fund - Prior	206,983.31	--	206,983.31	--	--
Company	18,756,691.52						
Travelers Insurance Co.	10,620,586.02	Retirement Allowance					
	<u>29,377,277.54</u>	Fund**	102,770,004.07	76,654,075.74	102,460,695.71	( 162,572,899.33)	86,228,131.95
Insured Guaranteed							
Contract	8,069,530.85	Survivor Benefit					
Cash - Time Deposit	<u>2,500,077.82</u>	Fund	<u>16,420,050.35</u>	<u>5,682,018.30</u>	<u>9,198,893.48</u>	<u>--</u>	<u>1,539,138.57</u>
Total Investments	<u>346,806,884.82</u>	Total Trust Reserves	<u>381,376,178.21</u>	<u>172,092,327.63</u>	<u>239,142,388.56</u>	<u>( 162,572,899.33)</u>	<u>132,714,361.35</u>
Other Assets:		Liabilities & Operating Reserves:					
Cash (Demand Deposit)*	33,892,717.56	Accounts Payable	248,346.54	78,576.85	109,173.14	--	60,596.55
Cash (Fiduciary)	574,568.47	Reserve for Expenditures	721,821.80	306,196.81	304,969.71	--	110,655.28
Accrued Interest	2,932,865.54	State Retirees Health					
Accounts Receivable (Net)	13,737.21	Insurance	1,878,180.71	1,878,180.71	--	--	--
Miscellaneous	<u>3,753.66</u>						
Total Other Assets	<u>37,417,642.44</u>	Total Liabilities &					
		Operating Reserves	<u>2,848,349.05</u>	<u>2,262,954.37</u>	<u>414,142.85</u>	<u>--</u>	<u>171,251.83</u>
Total Assets	<u>\$384,224,527.26</u>	Total Reserves &					
		Liabilities	<u>\$384,224,527.26</u>	<u>\$174,355,282.00</u>	<u>\$239,556,531.41</u>	<u>(\$162,572,899.33)</u>	<u>\$132,885,613.18</u>

Post 7/1/24 - Includes teachers who began teaching after this date and have made retirement contributions since July 1924

Pre 7/1/24 - Includes teachers who began teaching before this date and who were not required to make contributions until 1945

\* - Invested in State Treasurer's "Cash Pool"

\*\* - State includes \$8,919,543.28 and Teachers include \$11,922,458.96 from the Disability and Accidental Death Benefits accounts

MAINE STATE RETIREMENT SYSTEM  
ANALYSIS OF CHANGES IN TRUST FUND RESERVES  
YEAR ENDING JUNE 30, 1981

Balance July	\$315,411,214.09
Adjustment of Balance Forward	<u>12,531.97</u>
	315,423,746.06

ADDITIONS

<u>State Contributions</u>		
<u>Teachers:</u>		
General Fund	\$22,670,931.62	
Revenue Sharing	<u>6,558,821.38</u>	
		\$29,229,753.00
<u>State Employees:</u>		
General Fund	12,471,685.72	
Highway Fund	6,852,572.75	
Federal Program Fund	4,938,016.34	
Special Revenue Fund	2,051,333.55	
All Other Funds	<u>1,946,818.49</u>	
		<u>28,260,426.85</u>
Total State Contributions		\$ 57,490,179.85
Participating Local Districts		16,948,067.74
Academies		41,009.88
Individual Members		<u>36,001,782.46</u>
Total Contributions		110,481,039.93
Net Income From Investments		<u>47,071,951.77</u>
TOTAL ADDITIONS		<u>157,552,991.70</u>
 TOTAL AVAILABLE		 <u>\$472,976,737.76</u>

DEDUCTIONS

<u>Retirement Allowance Paid</u>	<u>Number</u>	
Council Order	2	1,611.48
Legislative Resolves	8	45,075.19
Retirement Full Benefits	6903	25,797,137.48
Ordinary Disability:		
Old Law	79	325,529.46
Chapter 622, PL 1975	183	1,293,468.43
Service Incurred Disability	124	515,424.65
Disability, Chapter 622 -		
July 1, 1978	188	1,363,045.42
Option I	1537	5,291,816.16
Option II	1489	5,329,557.93
Option III	1676	8,413,854.08
Option IV	551	2,475,441.69
Option II - Beneficiary	433	918,100.21
Automatic Option II -		
Beneficiary	459	1,116,905.73
Option III - Beneficiary	468	775,067.17
Option IV - Beneficiary	438	777,713.40
Automatic Option IV -		
Beneficiary	94	238,512.91
Service Incurred Death -		
Other	11	72,006.08
15-Year Teachers	138	139,392.70
10-Year Vested Right	1030	1,530,694.66
Accidental Death Benefits -		
July 1, 1979	9	62,051.97
20-Year Teachers	30	30,507.76
Law Enforcement Officers -		
Marine Resources	24	166,703.04
Fish & Wildlife	69	428,218.12
State Police	128	894,982.02
25-Year Service-Age 55*	13	53,675.81
Forest Rangers*	5	33,076.51
Fire Fighters & Police -		
Spec. Prov. - Sec. 1121	8	60,718.95
Spec. Prov. - Sec. 1092	42	282,170.86
Benefits by P & S Laws	56	120,803.82

Analysis of Changes in Trust Fund Reserves - continued

<u>Retirement Allowance Paid</u>	<u>Number</u>		
Prison Guards - Sec. 1121			
Sub-Section 2-F	11	\$	58,931.08
Special Benefits - Sec. 1092			
Sub-Section 4	10		<u>26,464.87</u>
			58,638,659.64

<u>Retirement Allowance Adjustment Paid</u>			
Council Order			3,947.88
Legislative Resolves			5,156.08
Retirement Full Benefits			11,019,447.81
Ordinary Disability:			
Old Law			88,658.18
Chapter 622, PL 1975			298,969.21
Service Incurred Disability			205,109.35
Disability, Chapter 622 -			
July 1, 1978			48,078.32
Option I			2,978,325.48
Option II			1,670,966.62
Option III			3,323,618.00
Option IV			513,489.17
Option II - Beneficiary			540,348.97
Automatic Option II - Beneficiary			595,719.68
Option III - Beneficiary			575,841.45
Option IV - Beneficiary			150,627.31
Automatic Option IV - Beneficiary			57,308.31
Service Incurred Death - Other			31,952.12
15-Year Teachers			116,918.19
10-Year Vested Right			661,417.71
Accidental Death Benefits - July 1, 1979			627.40
20-Year Teachers			29,330.94
Law Enforcement Officers -			
Marine Resources			50,660.90
Fish & Wildlife			156,691.65
State Police			268,916.06
25-Year Service-Age 55			35,952.42
Forest Rangers			6,088.40
Fire Fighters & Police -			
Spec. Prov. - Sec. 1121			20,076.22
Spec. Prov. - Sec. 1092			45,472.52
Benefits by P & S Laws			16,782.85
Prison Guards - Sec. 1121			
Sub-Section 2-F			16,903.71
Special Benefits - Sec. 1092			
Sub-Section 4			<u>2,253.77</u>
			23,535,656.68

<u>Survivor Benefits</u>	<u>Number</u>		
Accidental Death - Service			
Incurred	10		21,712.59
Spouse - Age 60	259		430,557.89
Spouse - 10-year Clause	181		313,520.58
Spouse - Children	217		614,574.28
Children	44		99,537.13
Parents	35		<u>63,567.57</u>
			1,543,470.04

<u>Refunds</u>			
To Former Members			7,500,904.65
To Beneficiaries of Deceased Members			270,193.21
To Survivors of Disability Recipients			40,206.62
To Beneficiaries of Deceased - Option I			<u>71,468.71</u>
			7,882,773.19

TOTAL DEDUCTIONS 91,600,559.55

Balance June 30 \$381,376,178.21

\* - Includes only those who elected Full Benefits - others under respective options

MAINE STATE RETIREMENT SYSTEM  
CUMULATIVE STATEMENT OF NET GAINS (LOSSES) ON SALE OF SECURITIES  
(Memo Account - Reserve Against Future Losses)

Net (Loss) on Securities Sales and Exchanges Through June 30, 1980	(\$10,468,493.52)
---	-------------------

ADDITIONS:

Profit on Sale of Stocks	\$ 24,245,886.84	
Discount on Mortgage Loans	<u>1,322.74</u>	
		24,247,209.58

DEDUCTIONS:

Loss on Sale of Bonds	( <u>5,804,152.32</u> )
-----------------------	-------------------------

Net Cumulative (Profit) on Sale or Exchange of Securities Through June 30, 1981	\$ <u>7,974,563.74</u>
--	------------------------

\* \* \* \* \*

STATEMENT OF INVESTMENT OPERATIONS  
Year Ending June 30, 1981

Net Gain on Sale of Securities	\$18,441,734.52
--------------------------------	-----------------

Income From Investments:

Interest - Time Deposits	\$ 445,616.66	
Interest - Bonds      Note I	22,710,928.64	
Interest - Mortgages      Note II	272,498.68	
Dividends on Stocks	<u>5,877,216.17</u>	<u>29,306,260.15</u>

Total Earnings From Investments	<u>47,747,994.67</u>
---------------------------------	----------------------

Deductions From Investment Income:

Investment Advisor Fees	549,922.99	
Custodial Fees	99,119.91	
Investment Evaluation Consultant Fees	<u>27,000.00</u>	<u>676,042.90</u>

Net Income From Investments	<u>\$47,071,951.77</u>
-----------------------------	------------------------

Note I - Includes accrued interest earned to June 30, 1981

Note II - Includes discount on Mortgage Loans written off during 1980-81

\* \* \* \* \*

INTEREST DISTRIBUTED TO ACCOUNT BALANCES  
Year Ending June 30, 1981

Net Income From Investments	\$47,071,951.77
-----------------------------	-----------------

Deductions:

Net Gain on Sale of Securities	\$18,441,734.52	
Discount on Mortgage Loans	<u>1,322.74</u>	<u>18,443,057.26</u>

Net Interest Distributed (Accrual Basis)	<u>\$28,628,894.51</u>
--	------------------------



MAINE STATE RETIREMENT SYSTEM  
Investments - Bonds - By Issuer  
June 30, 1981

Alliance Capital Management Corp.

<u>Par Value</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>U.S. GOVERNMENT</u>		
1,000	Federal Farm Cr. Bks.	\$ 1,000,000.00	\$ 1,001,880.00
2,919	Govt. Natl. Mtg. Assn.	2,706,200.90	2,100,544.00
7,250	United States Treas. Nts.	7,178,291.88	7,021,553.00
11,750	United States Treas. Bds.	10,675,883.75	9,301,690.00
<u>22,919</u>	<u>TOTAL U.S. GOVERNMENT</u>	<u>21,560,376.53</u>	<u>19,425,667.00</u>
	<u>CORPORATE &amp; OTHER</u>		
600	Archer Daniels Midland	597,000.00	625,500.00
1,155	Chase Manhattan Bank Repur. Agmt.	1,155,000.00	1,155,000.00
1,000	Continental Group Inc.	948,540.00	890,000.00
500	Exxon Pipeline Co.	464,375.00	317,500.00
750	Ford Mtr. Co.	748,750.00	423,750.00
500	New Jersey Bell Tel. Co.	420,000.00	284,375.00
1,250	Public Svc. Co. Ind. Inc.	1,231,250.00	1,196,875.00
1,000	Shell Oil Co.	1,000,000.00	992,500.00
1,000	Standard Oil Co. Ind.	926,040.00	590,000.00
500	Texas Eastn. Transmission Corp.	493,500.00	490,000.00
500	Upjohn Co.	495,625.00	485,000.00
500	Wheelabrator Frye	500,000.00	424,375.00
<u>9,255</u>	<u>TOTAL CORPORATE &amp; OTHER</u>	<u>8,980,080.00</u>	<u>7,874,875.00</u>
<u>32,174</u>	<u>TOTAL BONDS</u>	<u>30,540,456.53</u>	<u>27,300,542.00</u>

FMR Investment Management Service, Inc.

	<u>U.S. GOVERNMENT</u>		
4,750	Federal Home Ln. Bks.	4,691,250.00	4,608,297.00
1,472	Federal Home Ln. Mtg. Corp.	1,443,009.90	1,273,388.00
2,500	Federal Natl. Mtg. Assn.	2,364,375.00	2,199,370.00
4,110	United States Treas. Nts.	3,602,700.00	3,502,963.00
<u>12,832</u>	<u>TOTAL U.S. GOVERNMENT</u>	<u>12,101,334.90</u>	<u>11,584,018.00</u>
	<u>CORPORATE &amp; OTHER</u>		
70	General Mtrs. Accep. Corp.	70,000.00	70,000.00
54	Trust for Short Term U.S. Govt.	53,400.00	53,400.00
295	Chase Manhattan Bk. Repur. Agmt.	295,000.00	295,000.00
<u>419</u>	<u>TOTAL CORPORATE &amp; OTHER</u>	<u>418,400.00</u>	<u>418,400.00</u>
<u>13,251</u>	<u>TOTAL BONDS</u>	<u>12,519,734.90</u>	<u>12,002,418.00</u>

Massachusetts Financial Services, Inc.

	<u>U.S. GOVERNMENT</u>		
575	Federal Farm Cr. Bks.	547,423.00	523,250.00
1,000	Federal Home Ln. Bks.	1,023,595.63	796,250.00
14,323	United States Treas. Nts.	14,500,848.18	11,705,144.00
11,170	United States Treas. Bds.	11,071,003.58	7,763,354.00
<u>27,068</u>	<u>TOTAL U.S. GOVERNMENT</u>	<u>27,142,870.39</u>	<u>20,787,998.00</u>
	<u>CORPORATE &amp; OTHER</u>		
1,250	American Tel. & Teleg. Co.	811,155.00	561,875.00
509	Avco Finl. Svcs. Inc.	509,000.00	400,838.00
1,250	Beneficial Corp.	1,233,229.50	925,000.00
440	Chase Manhattan Bank Repur. Agmt.	440,000.00	440,000.00
1,500	CIT Finl. Corp.	1,485,000.00	1,147,500.00
500	Chesapeake & Potomac Tel. Co.	486,875.00	358,125.00

Massachusetts Financial Services, Inc. - Continued

<u>Par Value</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
<u>CORPORATE &amp; OTHER - Continued</u>			
1,000	Columbia Gas Sys. Inc.	\$ 994,120.00	\$ 745,000.00
250	Ford Mtr. Cr. Co.	256,576.02	147,500.00
1,950	General Mtrs. Accep. Corp.	1,972,375.00	1,286,813.00
500	National Rural Utils. Corp.	487,980.00	487,500.00
250	New York Tel. Co.	243,247.50	202,500.00
500	Pacific Northwest Bell Tel. Co.	411,750.00	229,375.00
1,100	Penney J. C. Inc.	1,100,000.00	901,000.00
900	Southern Ry. Co.	900,000.00	880,200.00
1,000	Tenneco Inc.	986,250.00	962,500.00
810	Union Pac. R.R. Co.	743,968.80	664,200.00
750	Wells Fargo & Co.	747,750.00	682,500.00
<u>14,459</u>	<u>TOTAL CORPORATE &amp; OTHER</u>	<u>13,809,276.82</u>	<u>11,022,426.00</u>
<u>41,527</u>	<u>TOTAL BONDS</u>	<u>40,952,147.21</u>	<u>31,810,424.00</u>

The Putnam Advisory Co., Inc.

<u>U.S. GOVERNMENT</u>			
973	Govt. Natl. Mtg. Assn.	940,461.74	719,388.00
<u>6,200</u>	<u>United States Treas. Bds.</u>	<u>5,763,353.38</u>	<u>4,451,235.00</u>
<u>7,173</u>	<u>TOTAL U.S. GOVERNMENT</u>	<u>6,703,815.12</u>	<u>5,170,623.00</u>
<u>CORPORATE &amp; OTHER</u>			
500	American Can Co.	421,320.00	392,500.00
500	Bank of America Corp.	483,644.44	497,270.00
1,000	Bell Tel. Co. Pa.	978,750.00	697,500.00
500	Bethlehem Stl. Corp. Reg.	290,530.00	295,000.00
5	Chase Manhattan Bank Repur. Agmt.	5,000.00	5,000.00
1,000	Cities Svc. Gas Co.	1,000,000.00	916,250.00
500	Commonwealth Edison Co.	386,875.00	381,875.00
1,000	Florida Pwr. & Lt. Co.	1,002,500.00	1,001,250.00
1,000	Ford Mtr. Cr. Co.	990,015.00	631,875.00
2,600	General Mtrs. Accep. Corp.	2,562,502.50	1,831,250.00
1,500	General Tel. Co. Calif.	1,319,760.00	1,078,125.00
1,000	Hydro-Quebec	993,750.00	725,000.00
500	Michigan Bell Tel. Co.	490,770.00	344,375.00
850	Mobil Corp.	569,355.50	546,125.00
750	Mountain Sts. Tel. & Teleg. Co.	728,437.50	455,625.00
1,250	New England Tel. & Teleg. Co.	1,159,290.00	752,500.00
1,500	Ohio Edison Co.	1,176,720.00	1,006,250.00
500	Pacific Gas & Elec. Co.	453,845.00	431,250.00
1,500	Pacific Tel. & Teleg. Co.	1,496,250.00	1,148,125.00
1,000	Philadelphia Elec. Co.	1,037,500.00	786,250.00
750	RCA Corp.	750,000.00	615,000.00
1,000	Shell Oil Co.	1,000,000.00	992,500.00
1,250	South Cent. Bell Tel. Co.	1,180,527.50	789,063.00
500	Southern Calif. Edison Co.	471,365.00	443,125.00
500	Texas Pwr. & Lt. Co.	440,285.00	363,750.00
<u>1,500</u>	<u>Virginia Elec. &amp; Pwr. Co.</u>	<u>1,204,065.00</u>	<u>990,000.00</u>
<u>24,455</u>	<u>TOTAL CORPORATE &amp; OTHER</u>	<u>22,593,057.44</u>	<u>18,116,833.00</u>
<u>31,628</u>	<u>TOTAL BONDS</u>	<u>29,296,872.56</u>	<u>23,287,456.00</u>

Alliance Capital Management Corp. - Stock Account

<u>CORPORATE &amp; OTHER</u>			
3,650	Chase Manhattan Bk. Repur. Agmt.	3,650,000.00	3,650,000.00
35	Irving Trust Co. Repur. Agmt.	35,000.00	35,000.00
700	Equitable Gas Co.	700,000.00	665,000.00
<u>1,450</u>	<u>Texas Air Corp. Reg.</u>	<u>1,392,152.50</u>	<u>1,203,500.00</u>
<u>5,835</u>	<u>TOTAL CORPORATE &amp; OTHER</u>	<u>5,777,152.50</u>	<u>5,553,500.00</u>
<u>5,835</u>	<u>TOTAL BONDS</u>	<u>5,777,152.50</u>	<u>5,553,500.00</u>

David L. Babson & Co., Inc. - Stock Account

<u>Par Value</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>CORPORATE &amp; OTHER</u>		
280	Chase Manhattan Bk Repur. Agmt.	\$ 280,000.00	\$ 280,000.00
280	TOTAL CORPORATE & OTHER	280,000.00	280,000.00
280	TOTAL BONDS	280,000.00	280,000.00

Merchants National Bank - Stock Account

	<u>U.S. GOVERNMENT</u>		
500	United States Treas. Bills	480,465.00	487,155.00
500	TOTAL U.S. GOVERNMENT	480,465.00	487,155.00
	<u>CORPORATE &amp; OTHER</u>		
408	General Elec. Cr. Corp.	408,000.00	408,000.00
408	General Mtrs. Accep. Corp.	408,000.00	408,000.00
427	Prulease Inc.	427,000.00	427,000.00
450	Sears Roebuck Accep. Corp.	450,000.00	450,000.00
874	Trust for Short Term U.S. Govt.	873,700.00	873,700.00
2,567	TOTAL CORPORATE & OTHER	2,566,700.00	2,566,700.00
3,067	TOTAL BONDS	3,047,165.00	3,053,855.00

Merrill Trust Co. - Stock Account

	<u>CORPORATE &amp; OTHER</u>		
4,050	Chase Manhattan Bank Repur. Agmt.	4,050,000.00	4,050,000.00
4,050	TOTAL CORPORATE & OTHER	4,050,000.00	4,050,000.00
4,050	TOTAL BONDS	4,050,000.00	4,050,000.00

The Putnam Advisory Co., Inc. - Stock Account

	<u>CORPORATE &amp; OTHER</u>		
1,000	First Natl. Bk. Boston	974,826.39	997,270.00
1,200	General Mtrs. Accep. Corp.	1,200,000.00	1,200,000.00
1,000	Travelers Insurance Co.	980,354.17	994,540.00
20	Chase Manhattan Bk. Repur. Agmt.	20,000.00	20,000.00
500	Citicorp	503,750.00	450,000.00
500	Republic Tex. Corp.	501,562.50	443,750.00
450	Grumman Corp.	456,000.00	535,500.00
4,670	TOTAL CORPORATE & OTHER	4,636,493.06	4,641,060.00
4,670	TOTAL BONDS	4,636,493.06	4,641,060.00

Security Loan Account

	<u>CORPORATE &amp; OTHER</u>		
275	Chase Manhattan Bk. Repur. Agmt.	275,000.00	275,000.00
1	Trust for Short Term U.S. Govt.	900.00	900.00
276	TOTAL CORPORATE & OTHER	275,900.00	275,900.00
276	TOTAL BONDS	275,900.00	275,900.00
136,758	TOTAL BONDS ALL ACCOUNTS	\$131,375,921.76	\$112,255,155.00

MAINE STATE RETIREMENT SYSTEM

Investments - Stocks

June 30, 1981

Alliance Capital Management Corp.

<u>Shares</u>	<u>Security</u> <u>Common Stocks</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>FINANCIAL &amp; CREDIT RELATED</u>		
55,000	Farmers Group Inc.	\$ 1,234,900.00	\$ 1,890,625.00
14,600	Travelers Corp.	645,709.80	686,200.00
	TOTAL FINANCIAL & CREDIT RELATED	<u>1,880,609.80</u>	<u>2,576,825.00</u>
	<u>COMMUNICATIONS</u>		
20,000	American Tel. & Teleg. Co.	1,170,960.00	1,125,000.00
48,700	Tele Communications Inc.	1,232,300.00	1,345,338.00
	TOTAL COMMUNICATIONS	<u>2,403,260.00</u>	<u>2,470,338.00</u>
	<u>ELECTRIC &amp; OTHER UTILITIES</u>		
53,000	Florida Pwr. Corp.	828,315.00	801,625.00
	TOTAL ELECTRIC & OTHER UTILITIES	<u>828,315.00</u>	<u>801,625.00</u>
	<u>CONSTRUCTION</u>		
36,000	Owens Corning Fiberglas Corp.	1,071,205.00	1,035,000.00
30,500	Raymond Intl. Inc. Del.	882,572.20	663,375.00
	TOTAL CONSTRUCTION	<u>1,953,777.20</u>	<u>1,698,375.00</u>
	<u>ENERGY</u>		
23,000	Kerr McGee Corp.	1,893,168.00	1,558,250.00
40,000	Mesa Pete Co.	743,842.80	1,050,000.00
33,000	Mesa Rty. Tr.	1,267,316.00	891,000.00
6,015	Superior Oil Co.	388,403.25	1,124,805.00
20,000	Halliburton Co.	624,843.06	1,195,000.00
40,000	McDermott Inc.	1,179,755.84	1,260,000.00
32,200	Sedco Inc.	1,210,982.10	941,850.00
45,000	Enserch Corp.	1,064,485.71	1,125,000.00
50,000	Pittston Co.	1,329,571.70	1,375,000.00
	TOTAL ENERGY	<u>9,702,368.46</u>	<u>10,520,905.00</u>
	<u>CONSUMER</u>		
40,000	Ford Motor Co. Del.	912,260.00	955,000.00
30,000	General Mtrs. Corp.	1,646,031.80	1,590,000.00
70,000	Sony Corp.	1,627,825.00	1,435,000.00
39,000	Zenith Radio Corp.	748,235.50	741,000.00
31,400	Archer Daniels Midland Co.	666,806.39	565,200.00
63,706	Norton Simon Inc.	1,215,076.37	1,027,259.00
25,000	Eastman Kodak Co.	2,723,833.30	1,868,750.00
40,700	Cone Mls. Corp.	1,431,944.50	1,480,463.00
38,000	Donnelley R R & Sons Co.	1,070,489.00	1,505,750.00
42,600	Taft Broadcasting Co.	1,187,475.00	1,304,625.00
20,000	Time Inc.	1,293,392.00	1,435,000.00
40,000	Best Prods. Inc.	942,800.00	1,130,000.00
35,000	Federated Dept. Stores Inc.	998,501.87	1,400,000.00
25,000	Columbia Pictures Ind. Inc. Del.	770,260.42	906,250.00
48,400	Holiday Inns Inc.	1,552,530.00	1,542,750.00
45,000	Ryder Sys. Inc.	1,287,277.20	1,622,250.00
	TOTAL CONSUMER	<u>20,074,738.35</u>	<u>20,509,297.00</u>
	<u>DRUG &amp; MEDICAL SERVICES</u>		
50,000	Searle G.D. & Co.	1,173,529.70	1,550,000.00
18,900	Smithkline Corp.	1,100,302.42	1,488,375.00
	TOTAL DRUG & MEDICAL SERVICES	<u>2,273,832.12</u>	<u>3,038,375.00</u>
	<u>SCIENCE &amp; TECHNOLOGY</u>		
28,000	Dataproducts Corp.	1,098,175.50	868,000.00
15,000	Digital Equip. Corp.	899,978.00	1,481,250.00
8,000	Honeywell Inc.	839,140.00	683,000.00
31,000	International Business Machs. Corp.	1,889,718.60	1,794,125.00
29,000	NCR Corp.	1,940,585.00	1,827,000.00
45,000	Prime Computer Inc.	1,518,080.19	1,698,750.00
23,500	Advanced Micro Devices Inc.	637,847.50	552,250.00

Alliance Capital Management Corp. - Continued

<u>Shares</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>Common Stocks</u>		
	<u>SCIENCE &amp; TECHNOLOGY - Continued</u>		
10,000	Computervision Corp.	\$ 842,330.00	\$ 780,000.00
25,000	E. Sys. Inc.	768,750.00	1,212,500.00
	TOTAL SCIENCE & TECHNOLOGY	<u>10,434,604.79</u>	<u>10,896,875.00</u>
	<u>INTERMEDIATE &amp; CAPITAL GOODS</u>		
40,000	American Cyanamid Co.	1,371,909.00	1,330,000.00
47,800	Koppers Inc.	1,120,988.20	1,195,000.00
25,000	Monsanto Co.	1,620,023.40	2,046,875.00
40,901	Boise Cascade Corp.	1,139,810.20	1,743,405.00
31,100	Potlatch Corp.	1,209,225.76	1,267,325.00
14,600	Homestake Mng. Co.	968,648.20	688,025.00
25,000	Newmont Mng. Corp.	1,425,525.00	1,643,750.00
40,000	United States Stl. Corp.	842,792.80	1,190,000.00
20,000	Caterpillar Tractor Co.	966,030.50	1,312,500.00
30,000	Joy Mfg. Co.	764,474.67	1,068,750.00
26,900	Boeing Co.	622,494.40	823,813.00
8,000	Colt Inds. Inc. Pa.	517,744.00	474,000.00
25,440	Litton Inds. Inc.	1,143,682.50	1,624,980.00
35,900	McDonnell Douglas Corp.	1,060,519.40	1,413,563.00
20,000	Waste Mgmt. Inc.	549,740.30	2,100,000.00
	TOTAL INTERMEDIATE & CAPITAL GOODS	<u>15,323,608.33</u>	<u>19,921,986.00</u>
	<u>TRANSPORTATION</u>		
17,500	Delta Air Lines Inc. Del.	1,197,275.00	1,246,875.00
40,000	Southern Pac. Co.	1,737,937.10	1,910,000.00
27,900	Union Pac. Corp.	1,290,545.10	1,611,225.00
	TOTAL TRANSPORTATION	<u>4,225,757.20</u>	<u>4,768,100.00</u>
	TOTAL COMMON STOCKS	<u>69,100,871.25</u>	<u>77,202,701.00</u>

David L. Babson & Co., Inc.

	<u>Common Stocks</u>		
	<u>FINANCIAL &amp; CREDIT RELATED</u>		
35,000	Citicorp	1,212,983.81	945,000.00
28,000	Connecticut Gen. Ins. Corp.	998,725.00	1,421,000.00
20,000	General Re. Corp.	761,200.00	1,580,000.00
	TOTAL FINANCIAL & CREDIT RELATED	<u>2,972,908.81</u>	<u>3,946,000.00</u>
	<u>ENERGY</u>		
16,000	Exxon Corp.	796,513.50	1,096,000.00
32,000	Atlantic Richfield Co.	757,587.67	1,520,000.00
30,000	Marathon Oil Co.	884,371.00	1,837,500.00
36,000	General Amern. Oil Co. Tex.	1,445,925.22	1,413,000.00
7,000	Superior Oil Co.	1,300,695.00	1,309,000.00
38,000	Dresser Inds. Inc.	782,916.50	1,448,750.00
28,000	Halliburton Co.	875,010.00	1,673,000.00
45,000	Parker Drilling Co.	996,557.50	1,113,750.00
22,500	Schlumberger Ltd.	675,100.00	2,131,875.00
	TOTAL ENERGY	<u>8,514,676.39</u>	<u>13,542,875.00</u>
	<u>CONSUMER</u>		
25,000	Pepsico Inc.	606,278.00	884,375.00
17,000	Avon Prods. Inc.	642,132.50	654,500.00
35,000	Beatrice Foods Co.	845,545.00	761,250.00
8,000	McDonalds Corp.	483,003.80	518,000.00
15,000	Neilsen A C Co.	361,250.00	656,250.00
	TOTAL CONSUMER	<u>2,938,209.30</u>	<u>3,474,375.00</u>
	<u>DRUG &amp; MEDICAL SERVICES</u>		
24,000	Abbott Labs	269,667.50	756,000.00
22,000	American Home Prods. Corp.	622,336.46	723,250.00
10,000	Lilly Eli & Co.	366,076.78	610,000.00
6,000	Merck & Co. Inc.	328,635.00	555,000.00
21,000	Johnson & Johnson	589,475.96	735,000.00
	TOTAL DRUG & MEDICAL SERVICES	<u>2,176,191.70</u>	<u>3,379,250.00</u>

David L. Balson & Co., Inc. - Continued

<u>Shares</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>Common Stocks</u>		
	<u>SCIENCE &amp; TECHNOLOGY</u>		
20,000	Automatic Data Processing Inc.	\$ 293,600.00	\$ 565,000.00
20,000	Burroughs Corp.	1,520,858.50	787,500.00
17,000	Data Gen Corp.	1,024,127.50	939,250.00
8,000	Datapoint Corp.	138,752.50	460,000.00
15,000	Digital Equip. Corp.	496,457.78	1,481,250.00
40,000	International Business Machs. Corp.	2,546,584.39	2,315,000.00
10,000	Reynolds & Reynolds Co.	261,750.00	225,000.00
27,500	Beckman Instrs. Inc.	702,525.00	983,125.00
16,000	Tektronix Inc.	696,420.00	880,000.00
	<u>TOTAL SCIENCE &amp; TECHNOLOGY</u>	<u>7,681,075.67</u>	<u>8,636,125.00</u>
	<u>INTERMEDIATE &amp; CAPITAL GOODS</u>		
20,000	Air Prods. & Chems. Inc.	492,107.50	787,500.00
42,000	Big Three Inds. Inc.	668,046.10	1,281,000.00
2,500	Loctite Corp.	78,857.50	68,125.00
24,000	Lubrizol Corp.	693,632.50	648,000.00
25,000	Mallinckrodt Inc.	701,666.67	865,625.00
16,000	Nalco Chem. Co.	558,102.00	826,000.00
20,774	Georgia Pac. Corp.	577,130.98	573,882.00
20,000	Emerson Elec. Co.	675,337.50	920,000.00
15,150	Caterpillar Tractor Co.	614,140.35	994,219.00
9,000	Cooper Inds. Inc.	269,114.50	401,625.00
	<u>TOTAL INTERMEDIATE &amp; CAPITAL GOODS</u>	<u>5,328,135.60</u>	<u>7,365,976.00</u>
	<u>TOTAL COMMON STOCKS</u>	<u>29,611,197.47</u>	<u>40,344,601.00</u>
	<u>Merchants National Bank</u>		
	<u>Common Stocks</u>		
	<u>FINANCIAL &amp; CREDIT RELATED</u>		
5,500	First Natl. Boston Corp.	154,382.83	243,375.00
5,000	Manufacturers Hanover Corp.	189,345.06	193,750.00
3,500	Morgan J P & Co. Inc.	159,878.70	209,125.00
6,000	Continental Corp.	150,000.00	169,500.00
	<u>TOTAL FINANCIAL &amp; CREDIT RELATED</u>	<u>653,606.59</u>	<u>815,750.00</u>
	<u>COMMUNICATIONS</u>		
6,000	General Tel. & Electrs. Corp.	177,429.76	176,250.00
	<u>TOTAL COMMUNICATIONS</u>	<u>177,429.76</u>	<u>176,250.00</u>
	<u>ELECTRIC &amp; OTHER UTILITIES</u>		
5,000	Florida Pwr. & Lt. Co.	135,650.00	148,750.00
11,000	Southwestern Pub. Svc. Co.	148,597.50	127,875.00
9,000	Teco Energy Inc.	158,001.40	184,500.00
11,000	Texas Utils. Co.	215,521.21	224,125.00
	<u>TOTAL ELECTRIC &amp; OTHER UTILITIES</u>	<u>657,770.11</u>	<u>685,250.00</u>
	<u>CONSTRUCTION</u>		
6,000	American Std. Inc.	164,598.54	238,500.00
	<u>TOTAL CONSTRUCTION</u>	<u>164,598.54</u>	<u>238,500.00</u>
	<u>ENERGY</u>		
3,000	Exxon Corp.	170,440.00	205,500.00
5,000	Gulf Oil Corp.	139,000.05	175,000.00
3,000	Mobil Corp.	92,310.00	180,000.00
4,987	Conoco Inc.	267,583.41	326,649.00
6,000	Phillips Pete Co.	183,187.07	229,500.00
5,000	Tenneco Inc.	162,604.07	193,125.00
	<u>TOTAL ENERGY</u>	<u>1,015,124.60</u>	<u>1,309,774.00</u>
	<u>CONSUMER</u>		
2,000	General Mtrs. Corp.	158,232.00	106,000.00
6,000	Goodyear Tire & Rubr. Co.	125,648.32	114,750.00
5,000	Avon Prods. Inc.	217,611.01	192,500.00
4,000	Dart & Kraft Inc.	181,734.61	205,000.00
6,000	General Foods Corp.	187,792.60	185,250.00

Merchants National Bank - Continued

<u>Shares</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>Common Stocks</u>		
	<u>CONSUMER - Continued</u>		
5,000	Pillsbury Co.	\$ 211,335.40	\$ 215,000.00
4,000	Philip Morris Inc.	162,857.50	199,000.00
6,000	Reynolds R J Inds. Inc.	188,580.88	270,000.00
4,000	Donnelley R R & Sons Co.	94,226.62	158,500.00
6,000	Jewel Cos. Inc.	167,818.83	255,750.00
15,000	Sears Roebuck & Co.	282,809.86	288,750.00
	TOTAL CONSUMER	<u>1,978,647.63</u>	<u>2,190,500.00</u>
	<u>DRUG &amp; MEDICAL SERVICES</u>		
4,500	Bristol Myers Co.	156,479.40	224,438.00
6,000	Pfizer Inc.	178,321.41	288,000.00
7,000	Warner Lambert Co.	139,755.00	159,250.00
	TOTAL DRUG & MEDICAL SERVICES	<u>474,555.81</u>	<u>671,688.00</u>
	<u>SCIENCE &amp; TECHNOLOGY</u>		
4,000	International Business Machs. Corp.	271,072.00	231,500.00
3,000	Xerox Corp.	189,068.12	162,000.00
	TOTAL SCIENCE & TECHNOLOGY	<u>460,140.12</u>	<u>393,500.00</u>
	<u>INTERMEDIATE &amp; CAPITAL GOODS</u>		
5,000	American Cyanamid Co.	138,456.30	166,250.00
5,000	Dow Chem. Co.	172,030.22	165,625.00
6,000	Champion Intl. Corp.	121,313.93	159,000.00
5,000	St. Regis Paper Co.	145,932.57	175,625.00
5,000	Northwest Inds. Inc.	159,458.47	233,125.00
5,000	General Elec. Co.	267,237.07	309,375.00
3,000	Martin Marietta Corp.	127,569.91	204,000.00
3,000	TRW Inc.	114,407.06	178,875.00
	TOTAL INTERMEDIATE & CAPITAL GOODS	<u>1,246,405.53</u>	<u>1,591,875.00</u>
	TOTAL COMMON STOCKS	<u>6,828,278.69</u>	<u>8,073,087.00</u>

Merrill Trust Company

	<u>Common Stocks</u>		
	<u>FINANCIAL &amp; CREDIT RELATED</u>		
35,400	Crum & Forster	963,843.35	1,265,550.00
25,000	Ina Corp.	849,375.94	1,159,375.00
	TOTAL FINANCIAL & CREDIT RELATED	<u>1,813,219.29</u>	<u>2,424,925.00</u>
	<u>COMMUNICATIONS</u>		
20,000	American Tel. & Teleg. Co.	1,056,875.54	1,125,000.00
35,000	General Tel. & Electrs. Corp.	962,153.11	1,028,125.00
70,000	United Telecommunications Inc.	1,197,567.95	1,452,500.00
	TOTAL COMMUNICATIONS	<u>3,216,596.60</u>	<u>3,605,625.00</u>
	<u>ELECTRIC &amp; OTHER UTILITIES</u>		
20,000	Southern Ind. Gas & Elec. Co.	339,917.18	365,000.00
	TOTAL ELECTRIC & OTHER UTILITIES	<u>339,917.18</u>	<u>365,000.00</u>
	<u>ENERGY</u>		
15,000	Mobil Corp.	1,050,200.00	900,000.00
16,000	Atlantic Richfield Co.	528,913.79	760,000.00
5,000	Getty Oil Co.	374,373.61	346,250.00
20,000	Phillips Pete Co.	867,000.00	765,000.00
17,000	Standard Oil Co. Ohio	1,054,919.71	824,500.00
22,000	Hughes Tool Co.	884,911.22	833,250.00
	TOTAL ENERGY	<u>4,760,318.33</u>	<u>4,429,000.00</u>
	<u>CONSUMER</u>		
20,000	Philip Morris Inc.	888,090.92	995,000.00
25,000	Allied Stores Corp.	520,250.00	718,750.00
35,000	Associated Dry Goods Corp.	1,012,325.00	1,015,000.00
20,000	Macy R H & Co. Inc.	896,250.00	1,240,000.00
	TOTAL CONSUMER	<u>3,316,915.92</u>	<u>3,968,750.00</u>

Merrill Trust Company - Continued

<u>Shares</u>	<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>Common Stocks</u>		
	<u>INTERMEDIATE &amp; CAPITAL GOODS</u>		
20,000	International Minerals & Chem. Corp.	\$ 952,400.00	\$ 850,000.00
30,000	Rockwell Intl. Corp.	770,928.26	1,083,750.00
	TOTAL INTERMEDIATE & CAPITAL GOODS	<u>1,723,328.26</u>	<u>1,933,750.00</u>
	TOTAL COMMON STOCKS	<u>15,170,295.58</u>	<u>16,727,050.00</u>

The Putnam Advisory Co., Inc.

	<u>Common Stocks</u>		
	<u>FINANCIAL &amp; CREDIT RELATED</u>		
24,000	American Intl. Group Inc.	916,550.20	1,380,000.00
50,000	Crum & Forster	1,294,298.10	1,787,500.00
50,500	Transamerica Corp.	904,219.30	1,199,375.00
11,000	American Express Co.	486,565.80	532,125.00
31,050	Shearson Loeb Rhoades Inc.	820,050.90	1,956,150.00
	TOTAL FINANCIAL & CREDIT RELATED	<u>4,421,684.30</u>	<u>6,855,150.00</u>
	<u>ENERGY</u>		
31,000	Cities Svc. Co.	1,292,346.50	1,619,750.00
35,000	Standard Oil Co. Ind.	1,410,525.70	1,920,625.00
55,000	Mesa Pete Co.	874,511.86	1,443,750.00
77,500	Texas Intl. Co.	2,249,699.80	2,266,875.00
34,400	Dresser Inds. Inc.	1,162,150.90	1,311,500.00
20,000	Gearhart Inds. Inc.	393,675.50	685,000.00
37,000	Halliburton Co.	1,418,433.45	2,210,750.00
30,000	Schlumberger Ltd.	1,230,777.27	2,842,500.00
28,600	Sedco Inc.	768,964.29	836,550.00
27,500	Houston Nat. Gas Corp.	996,052.80	1,175,625.00
	TOTAL ENERGY	<u>11,797,138.07</u>	<u>16,312,925.00</u>
	<u>CONSUMER</u>		
46,600	Pepsico Inc.	1,616,294.90	1,648,475.00
41,200	Philip Morris Inc.	1,156,674.52	2,049,700.00
24,000	Capital Cities Communications Inc.	1,097,999.66	1,869,000.00
32,000	McDonalds Corp.	1,592,761.92	2,072,000.00
32,100	Meyer Fred Inc.	1,209,103.00	1,468,575.00
66,200	Tandy Corp.	608,194.67	2,043,925.00
44,500	Marriott Corp.	1,027,553.30	1,880,125.00
55,000	Warner Communications Inc.	1,217,490.96	2,805,000.00
	TOTAL CONSUMER	<u>9,526,072.93</u>	<u>15,836,800.00</u>
	<u>DRUG &amp; MEDICAL SERVICES</u>		
55,400	Richardson Vicks Inc.	1,731,427.30	1,537,350.00
66,000	Sterling Drug Inc.	1,393,554.90	1,460,250.00
	TOTAL DRUG & MEDICAL SERVICES	<u>3,124,982.20</u>	<u>2,997,600.00</u>
	<u>SCIENCE &amp; TECHNOLOGY</u>		
24,000	Data Gen. Corp.	1,817,302.50	1,326,000.00
29,000	Digital Equip. Corp.	1,541,319.76	2,863,750.00
43,000	International Business Machs. Corp.	2,688,365.42	2,488,625.00
19,800	NCR Corp.	1,229,805.80	1,247,400.00
15,700	General Instr. Corp.	983,137.61	1,813,350.00
8,000	Hewlett Packard Co.	693,945.30	761,000.00
26,200	Computervision Corp.	317,527.89	2,043,600.00
	TOTAL SCIENCE & TECHNOLOGY	<u>9,271,404.28</u>	<u>12,543,725.00</u>
	<u>INTERMEDIATE &amp; CAPITAL GOODS</u>		
45,900	Cabot Corp.	1,298,425.60	1,399,950.00
18,500	Monsanto Co.	1,409,571.40	1,514,688.00
29,000	Wheelabrator Frye Inc.	1,165,211.70	1,508,000.00
43,000	Lanier Bus Prod. Inc.	1,533,334.50	1,763,000.00
22,800	Tracor Inc.	849,884.50	923,400.00
28,500	Grumman Corp.	791,937.60	780,188.00
35,000	Pengo Inds. Inc.	791,423.90	905,625.00
28,000	Sundstrand Corp.	798,413.50	1,344,000.00
	TOTAL INTERMEDIATE & CAPITAL GOODS	<u>8,638,202.70</u>	<u>10,138,851.00</u>



The Putnam Advisory Co., Inc. - Continued

<u>Shares</u>	<u>Security</u> <u>Common Stocks</u>	<u>Book Value</u>	<u>Market Value</u>
	<u>TRANSPORTATION</u>		
25,300	Burlington Northn. Inc.	\$ 1,525,008.80	\$ 1,325,088.00
25,000	Federal Express Corp.	737,965.00	1,581,250.00
15,400	Tiger Intl. Inc.	380,028.30	354,200.00
	TOTAL TRANSPORTATION	<u>2,643,002.10</u>	<u>3,260,538.00</u>
	TOTAL COMMON STOCKS	<u>49,422,486.58</u>	<u>67,945,589.00</u>
	TOTAL COMMON STOCKS - ALL ACCOUNTS	<u>\$170,133,129.57</u>	<u>\$210,293,028.00</u>

Investments - Time Deposits

June 30, 1981

The Putnam Advisory Co., Inc. - Stock Account

<u>Security</u>	<u>Book Value</u>	<u>Market Value</u>
Morgan Guaranty Trust Co.	\$ <u>1,000,038.91</u>	\$ <u>1,000,000.00</u>

The Putnam Advisory Co., Inc. - Bond Account

Morgan Guaranty Trust Co.	1,000,038.91	1,000,000.00
Bankers Trust Co.	<u>500,000.00</u>	<u>500,000.00</u>
	<u>1,500,038.91</u>	<u>1,500,000.00</u>
TOTAL ALL ACCOUNTS	<u>\$ 2,500,077.82</u>	<u>\$ 2,500,000.00</u>

MAINE STATE RETIREMENT SYSTEM

Investments - Mortgages

June 30, 1981

Northeast Banks

<u>SECURITY</u>	<u>BOOK VALUE</u>
Farmer Home Administration	
Inds. Lns. - 5.00% Various Maturities	\$ 197,177.76
Hancock Dev. Corp. Partic. Ctf.	
1st Mtg. Nt. 6.00% 9/1/81	1,624.72
Hillcrest Manor Partic. Ctf.	
1st Mtg. Nt. 5.25% 4/1/87	41,973.84
Misc. FHA & VA 5.25% Mtges.	
Georgia, Final Mat. 1/1/94	331,479.87
Misc. FHA & VA 5.50% Mtges.	
Georgia, Final Mat. 6/1/92	87,781.99
Misc. FHA & VA 5.75% Mtges.	
Georgia, Final Mat. 6/1/92	117,570.50
Misc. FHA & VA 5.25% Mtges.	
New Jersey, PA. & VA., Final Mat. 3/1/96	73,478.06
Misc. FHA & VA 5.25% Mtges.	
Mississippi, Final Mat. 1/1/94	254,334.96
Misc. FHA & VA 5.50% Mtges.	
Mississippi, Final Mat. 11/1/91	110,354.56
Misc. FHA & VA 5.75% Mtges.	
Mississippi, Final Mat. 9/1/91	98,520.71
Misc. FHA & VA 4.50% Mtges.	
Arizona, Final Mat. 11/1/87	2,131.92
Misc. FHA & VA 5.00% Mtges.	
Arizona, Final Mat. 11/1/87	1,718.28
Misc. FHA & VA 5.75% Mtges.	
Arizona, Final Mat. 11/1/90	186,354.33
Misc. FHA & VA 5.25% Mtges.	
North Carolina, Final Mat. 3/1/94	216,630.53
Misc. FHA & VA 5.50% Mtges.	
North Carolina, Final Mat. 2/1/92	21,273.45
Misc. FHA & VA 5.75% Mtges.	
North Carolina, Final Mat. 12/1/91	175,893.46
Misc. FHA & VA 4.50% Mtges.	
Connecticut, Final Mat. 1/11/86	8,342.58
Misc. FHA & VA 4.50% Mtges.	
Virginia, Final Mat. 5/1/87	8,216.63
Misc. FHA & VA 5.00% Mtges.	
Virginia, Final Mat. 9/1/87	20,528.32
Misc. FHA & VA 5.25% Mtges.	
Virginia, Final Mat. 4/1/96	1,416,947.36
Misc. FHA & VA 5.50% Mtges.	
Virginia, Final Mat. 7/1/96	116,292.77
Misc. FHA & VA 5.75% Mtges.	
Virginia, Final Mat. 12/1/96	53,299.38
Misc. FHA & VA 6.00% Mtges.	
Virginia, Final Mat. 9/1/97	92,686.78
Misc. FHA & VA 4.50% Mtges.	
California, Final Mat. 2/1/86	7,577.16
Misc. FHA & VA 5.25% Mtges. California	
New Mexico, Okla. & Texas, Final Mat. 2/1/95	975,744.80
Misc. FHA & VA 5.50% Mtges.	
Texas, Final Mat. 5/1/93	9,581.95
Misc. FHA & VA 5.75% Mtges.	
California & Texas, Final Mat. 1/1/92	352,491.27
Misc. FHA & VA 4.50% Mtges.	
Florida & Georgia, Final Mat. 1/1/88	1,911.99
Misc. FHA & VA 5.25% Mtges.	
Florida, Final Mat. 1/1/94	298,642.20
Misc. FHA & VA 5.50% Mtges.	
Florida, Final Mat. 5/1/92	7,261.22
Misc. FHA & VA 5.75% Mtges.	
Florida, Final Mat. 2/1/92	63,123.93
TOTAL MORTGAGES	\$ <u>5,350,947.28</u>

Note: Market Value not available

Northeast Bank

Insured Guaranteed Contract 10% 2/1/86 (Unionmutual)  
Effective Date: December 31, 1980 \$ 8,069,530.85

Fund Balance at June 30, 1981 \$ 8,069,530.85

Commingled Trust Fund

Morgan Guaranty Trust Company (Book Value) \$18,756,691.52  
Effective Date: November 1, 1977

The Travelers Insurance Company (Book Value) 10,620,586.02  
Effective Date: December 29, 1978

Value at June 30, 1981 \$29,377,277.54

MAINE STATE RETIREMENT SYSTEM  
Statement of Trust Fund Balances and  
Open Accounts by Activity  
June 30, 1981

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
State Employees		21,566	\$ 89,756,233.59	\$ 66,605,008.62	\$1,129,523.84	\$157,490,766.05
Teachers - Contributory		31,342	127,482,799.37	89,113,906.27	1,424,330.48	218,021,036.12
Teachers - Non-Contributory		--	--	( 162,572,899.33)	--	( 162,572,899.33)
Disability - Chapter 622, 7/1/78	7/01/78	--	--	19,349,919.11	834,820.65	20,184,739.76
Accidental Death Benefits, 7/1/79	7/01/79	--	--	635,055.69	22,206.79	657,262.48
Androscoggin County	1/24/61	59	169,346.00	391,876.94	9,276.53	570,499.47
Androscoggin Valley Reg. Plan. Comm.	11/01/76	19	42,072.20	24,811.53	3,377.63	70,261.36
Aroostook County	1/01/68	98	224,936.40	602,758.19	28,469.72	856,164.31
Auburn	1/01/48	390	1,326,696.29	3,104,785.08	117,018.17	4,548,499.54
Auburn Housing Authority	1/01/71	10	27,575.39	68,823.03	4,707.04	101,105.46
Auburn-Lewiston Airport Committee	6/01/79	4	5,184.09	6,497.74	372.08	12,053.91
Auburn Public Library	7/01/50	12	54,410.10	131,320.59	1,437.74	187,168.43
Auburn Sewerage District	10/01/53	11	40,397.61	146,834.37	7,107.20	194,339.18
Auburn Water District	10/01/53	17	82,446.85	393,199.25	13,896.38	489,542.48
Augusta	10/01/47	376	1,400,056.65	2,696,861.70	114,077.02	4,210,995.37
Augusta Sanitary District	1/04/60	30	150,023.77	204,275.92	12,820.27	367,119.96
Augusta Water District	7/01/49	24	152,985.85	236,794.42	3,206.88	392,987.15
Baileyville	4/01/60	28	75,256.54	126,532.00	5,743.45	207,531.99
Bangor	7/01/47	901	4,281,171.13	6,359,899.86	297,301.27	10,938,372.26
Bangor Public Library	7/01/47	34	178,249.39	289,112.11	( 1,611.58)	465,749.92
Bangor Water District	5/21/57	35	161,841.10	214,624.76	4,203.95	380,669.81
Bar Harbor	4/01/46	59	224,825.43	473,266.07	12,514.91	710,606.41
Bath	4/01/63	179	657,535.70	2,024,241.55	92,434.27	2,774,211.52
Bath Water District	12/01/46	12	88,259.91	226,171.10	6,695.25	321,126.26
Belfast	7/01/49	43	150,083.67	228,947.11	7,334.78	386,365.56
Belfast Water District	7/01/69	5	30,289.91	82,092.81	4,706.28	117,089.00
Berwick	4/01/68	13	25,828.00	45,026.93	1,624.55	72,479.48
Berwick Sewer District	11/04/74	7	27,276.49	29,021.76	2,778.32	59,076.57
Bethel	4/01/78	10	19,173.77	12,659.86	1,376.93	33,210.56

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Biddeford	1/01/72	253	\$ 711,940.00	\$ 840,443.75	\$ 71,861.10	\$ 1,624,244.85
Bingham Water District	1/01/72	2	486.50	28,025.62	1,644.53	30,156.65
Boothbay-Boothbay Harbor CSD	7/01/74	8	13,715.98	31,054.61	2,521.67	47,292.26
Boothbay Harbor	3/01/71	24	54,216.94	82,406.81	6,168.86	142,792.61
Boothbay Harbor Water System	7/01/47	5	29,327.04	69,852.83	1,110.80	100,290.67
Bradford	4/01/74	--	--	3,406.85	243.79	3,650.64
Brewer	1/02/60	185	522,090.36	676,607.95	47,023.61	1,245,721.92
Brewer Housing Authority	8/01/78	4	7,240.62	9,632.82	736.16	17,609.60
Brewer Water District	5/01/61	8	31,785.66	100,060.11	2,485.87	134,331.64
Bridgton	3/01/73	26	60,043.01	108,792.40	8,330.28	177,165.69
Bridgton Water District	2/01/79	2	3,739.45	2,606.69	243.70	6,589.84
Brownville	4/05/73	11	21,058.14	22,188.68	2,080.49	45,327.31
Brunswick	7/01/50	253	904,895.55	1,909,561.37	79,515.91	2,893,972.83
Brunswick Sewer District	1/01/63	9	41,223.27	93,695.88	4,015.18	138,934.33
Bucksport	7/01/69	77	200,123.24	298,039.13	20,582.47	518,744.84
Calais	7/01/49	101	212,418.20	368,840.85	16,301.65	597,560.70
Camden	4/01/44	41	142,116.17	215,342.18	8,494.84	365,953.19
Cape Elizabeth	4/01/66	128	422,061.43	665,247.61	42,570.85	1,129,879.89
Caribou - Fire & Police	5/01/75	24	90,191.25	147,570.74	12,222.43	249,984.42
Castle Hill	7/01/80	3	978.58	744.88	31.35	1,754.81
Chapman	7/01/80	1	130.80	25.31	3.69	159.80
Chevrus High School	11/01/74	27	74,789.40	106,621.54	10,486.09	191,897.03
China	3/05/77	2	5,817.60	4,225.63	459.49	10,502.72
Community School District #912	1/22/79	2	2,059.14	3,386.65	248.51	5,694.30
Community School District #915	7/01/76	28	18,527.12	19,893.42	1,966.78	40,387.32
Corinna	4/01/75	6	20,577.50	52,224.36	4,299.43	77,101.29
Corinna Sewer District	1/01/79	2	3,204.08	9,662.50	489.22	13,355.80
Cranberry Isle	3/01/71	--	--	1,786.53	( 113.22)	1,673.31
Cumberland	10/01/74	26	90,092.24	76,949.48	7,977.08	175,018.80
Cumberland County	1/01/44	94	247,866.82	702,430.18	19,857.58	970,154.58
Damariscotta	1/01/74	3	8,009.19	7,368.43	734.19	16,111.81
Dexter	3/01/67	21	64,104.51	132,877.10	5,251.56	202,233.17
Dixfield	4/01/74	17	28,356.18	49,045.86	4,231.63	81,633.67
Dover-Foxcroft	7/01/72	26	66,059.25	85,374.08	7,970.10	159,403.43
Dover-Foxcroft Water District	5/01/70	1	833.25	37,474.99	1,687.92	39,996.16

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Durham	9/01/76	12	\$ 7,394.66	\$ 5,711.80	\$ 680.32	\$ 13,786.78
East Millinocket	1/01/56	44	258,139.47	363,905.42	14,565.04	636,609.93
Easton	7/01/77	20	25,561.30	31,674.40	2,239.55	59,475.25
Eliot	4/01/73	15	45,367.45	79,857.85	6,039.25	131,264.55
Ellsworth	1/01/46	141	277,881.51	448,328.85	21,317.51	747,527.87
Erskine Academy	9/01/78	4	3,637.97	3,808.77	308.88	7,755.62
Exeter	10/01/71	1	2,379.91	5,475.59	285.58	8,141.08
Fairfield	1/01/80	17	25,471.84	15,910.87	1,329.73	42,712.44
Falmouth	5/01/66	88	268,734.14	305,958.32	17,191.02	591,883.48
Falmouth Memorial Library	1/01/57	1	13,131.18	28,744.89	1,366.04	43,242.11
Farmington	4/01/67	34	128,925.93	328,190.35	20,269.13	477,385.41
Farmington Village Corp.	9/01/68	4	9,264.44	50,636.89	2,128.33	62,029.66
Fort Fairfield	7/01/46	35	124,949.00	304,182.98	16,416.11	445,548.09
Fort Fairfield Utilities District	4/01/69	7	29,525.24	70,648.05	3,139.03	103,312.32
Fort Kent	1/01/67	27	73,225.71	136,890.23	8,040.94	218,156.88
Franklin County	7/01/67	25	69,094.69	140,243.40	4,502.80	213,840.89
Franklin County Comm. Action Council	9/01/77	76	80,934.65	70,384.49	6,742.97	158,062.11
Freeport	9/01/70	38	126,762.10	118,287.03	10,618.89	255,668.02
Frenchville	7/01/74	1	5,904.80	39,189.26	2,683.79	47,777.85
Fryeburg	5/01/71	2	6,840.07	12,998.39	802.61	20,641.07
Gardiner	9/01/47	48	247,876.19	485,841.48	18,727.78	752,445.45
Gardiner Water District	1/01/76	12	43,812.19	37,264.44	4,636.72	85,713.35
Garland	7/01/71	2	146.41	1,313.00	53.06	1,512.47
Georgetown	1/01/80	1	670.33	684.10	39.19	1,393.62
Glenburn	4/01/72	3	3,908.24	12,499.21	729.91	17,137.36
Gorham	9/01/69	61	210,505.96	232,449.74	19,716.00	462,671.70
Gould Academy	1/01/75	12	20,891.84	70,768.34	4,975.13	96,635.31
Greater Portland Council of Governments	7/01/74	32	73,332.28	148,419.49	14,246.25	235,998.02
Greater Portland Public Dev. Comm.	1/01/62	6	76,393.03	121,550.23	1,902.94	196,040.32
Greenville	5/01/68	9	32,005.44	33,491.69	2,625.16	68,122.29
Hallowell	4/01/72	17	36,769.97	39,998.62	3,172.77	79,941.36
Hampden	6/01/71	25	134,099.60	176,456.01	13,982.49	324,538.10
Hampden Water District	6/01/70	4	15,406.97	14,536.55	1,399.65	31,343.17
Hancock County	1/01/57	43	120,938.00	369,804.81	11,733.65	502,476.46
Harpeswell	3/14/81	8	654.28	645.70	23.98	1,323.96

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Hermon	5/01/71	39	\$ 58,429.55	\$ 77,701.25	\$ 6,065.28	\$ 142,196.08
Hodgdon	4/01/75	6	10,702.22	22,224.01	1,869.93	34,796.16
Houlton	1/01/45	86	363,137.28	594,068.01	15,208.88	972,414.17
Houlton Water District	1/01/48	27	294,544.25	509,462.92	14,785.29	818,792.46
Howland	11/01/76	5	11,324.22	11,296.49	1,127.00	23,747.71
Indian Township Passamaquoddy R.H.A.	1/01/73	3	39.68	25,720.76	1,652.72	27,413.16
Indian Township Tribal Government	1/01/77	79	104,878.90	49,062.95	6,950.29	160,892.14
Jackman Water District	3/01/76	1	2,181.42	9,092.61	661.40	11,935.43
Jay	10/01/50	66	174,997.11	227,232.70	13,325.47	415,555.28
Kennebec County	7/01/51	77	153,560.93	491,139.16	18,840.19	663,540.28
Kennebec Sanitary Treatment District	10/01/75	19	48,102.71	60,252.10	6,056.42	114,411.23
Kennebec Water District	1/01/49	36	111,156.53	122,582.27	3,185.32	236,924.12
Kennebunk	4/01/66	46	104,405.57	244,879.13	11,466.14	360,750.84
Kennebunk, Kennebunkport & Wells Water District	6/01/79	34	59,325.51	42,793.40	3,701.39	105,820.30
Kennebunk Light & Power	8/30/59	13	105,289.25	244,896.10	7,098.23	357,283.58
Kennebunk Sewer District	8/01/74	5	13,674.98	32,795.17	2,299.50	48,769.65
Kennebunkport	9/01/73	34	94,493.75	213,861.40	16,596.28	324,951.43
Kittery	4/01/46	119	213,875.33	639,902.65	31,571.03	885,349.01
Kittery Water District	2/01/46	15	75,146.59	153,158.19	2,129.82	230,434.60
Knox County	3/01/49	33	43,010.42	198,748.55	1,124.96	242,883.93
Lebanon	3/10/73	13	12,123.97	29,805.35	2,176.96	44,106.28
Lewiston	7/01/51	591	2,543,924.09	5,568,398.12	268,189.59	8,380,511.80
Lewiston-Auburn Water Pol. C.A.	3/01/72	19	48,147.74	73,351.97	6,647.57	128,147.28
Lewiston Housing Authority	4/01/71	30	37,410.93	47,372.00	4,604.59	89,387.52
Limestone	4/01/78	12	24,440.83	14,837.56	1,602.81	40,881.20
Limestone Water & Sewer District	7/01/74	5	14,404.82	20,377.95	1,956.44	36,739.21
Lincoln	4/01/64	40	161,594.89	271,034.66	15,708.58	448,338.13
Lincoln Academy	9/01/69	6	18,753.48	13,731.76	1,547.35	34,032.59
Lincoln County	1/01/67	35	95,762.82	275,011.04	14,749.62	385,523.48
Lincoln Sanitary District	9/01/75	3	11,934.35	6,766.68	1,025.49	19,726.52
Lincoln Water District	1/01/74	3	15,069.80	30,490.79	2,413.85	47,974.44
Linneus	4/01/75	2	4,916.55	7,659.66	701.25	13,277.46
Lisbon	1/01/68	97	193,051.21	535,233.11	33,221.73	761,506.05
Lisbon Water District	10/01/77	4	7,250.21	12,319.54	972.36	20,542.11

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Livermore Falls	4/01/68	19	\$ 46,568.17	\$ 104,893.70	\$ 6,822.70	\$ 158,284.57
Livermore Falls Water District	3/01/49	4	45,427.16	80,401.23	4,173.13	130,001.52
Lubec	3/01/76	2	6,224.73	8,079.12	794.37	15,098.22
Lubec Water & Electric	7/01/66	12	30,132.91	105,829.82	3,241.73	139,204.46
Madawaska	9/01/65	62	209,755.85	334,294.92	23,169.18	567,219.95
Madawaska Water District	4/01/77	4	15,723.26	7,512.04	1,099.37	24,334.67
Maine County Commissioners Assoc.	1/01/76	4	8,163.43	7,131.65	711.11	16,006.19
Maine Development Foundation	3/27/78	8	27,062.85	13,090.93	1,400.65	41,554.43
Maine Housing Authority	6/20/72	49	125,269.32	93,520.91	10,365.72	229,155.95
Maine Maritime Academy	7/01/59	212	824,522.46	2,627,117.77	127,575.20	3,579,215.43
Maine Municipal Association	11/05/56	46	119,475.95	120,986.61	5,393.03	245,855.59
Maine Municipal Bond Bank	10/01/73	2	13,877.69	17,843.73	1,770.62	33,492.04
Maine-New Hampshire Bridge Authority	8/01/50	8	71,061.15	157,994.06	483.78	229,538.99
Maine School Management Association	7/01/77	12	71,017.25	94,235.07	8,885.21	174,137.53
Maine Secondary School Principals Assoc.	8/07/67	5	34,505.17	109,194.96	8,306.26	152,006.39
Maine Turnpike Authority	9/01/52	272	1,347,404.51	5,360,479.89	216,362.56	6,924,246.96
Maine Vocational Region #7	2/01/76	8	9,646.17	15,031.34	1,252.40	25,929.91
Mapleton	7/01/80	4	2,098.45	1,873.65	73.77	4,045.87
Mars Hill	5/01/76	5	11,923.58	21,501.18	1,747.91	35,172.67
Mechanic Falls	4/01/68	26	60,907.57	94,608.15	6,384.14	161,899.86
Medway	3/01/74	12	24,885.83	45,639.69	3,693.11	74,218.63
Mexico	3/01/63	24	86,844.90	125,111.00	6,485.75	218,441.65
Milford	7/01/73	6	6,738.85	22,469.99	1,586.88	30,795.72
Millinocket	7/01/43	102	375,802.36	954,160.68	49,479.94	1,379,442.98
Milo	1/01/68	16	53,441.65	117,765.10	6,798.29	178,005.04
Milo Water District	6/01/77	5	13,305.98	32,400.87	2,090.15	47,797.00
Monson	7/01/73	2	5,635.33	6,586.59	714.89	12,936.81
Mount Desert	4/01/46	34	171,878.45	389,158.36	14,888.48	575,925.29
Mount Desert Regional School District	8/01/68	21	40,677.59	52,756.08	3,399.02	96,832.69
Naples	5/01/70	1	4,356.51	11,548.92	655.69	16,561.12
New Canada Plantation	11/01/72	3	1,785.30	7,863.49	512.85	10,161.64
New Gloucester	4/01/75	14	39,203.62	49,615.29	4,608.15	93,427.06
North Berwick	1/01/79	5	8,703.87	2,047.24	434.51	11,185.62
Norway	4/01/69	26	101,461.72	120,411.88	7,842.63	229,716.23
Norway Water District	5/01/70	3	25,237.88	23,104.64	2,057.10	50,399.62



	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Old Orchard Beach	7/01/70	59	\$ 240,998.91	\$ 495,697.20	\$ 34,221.54	\$ 770,917.65
Old Town	1/01/68	158	476,164.73	1,016,362.12	57,642.42	1,550,169.27
Old Town Housing Authority	4/01/80	5	3,211.52	2,832.00	142.29	6,185.81
Old Town Water District	1/01/65	9	62,476.26	80,701.03	4,528.47	147,705.76
Orland	1/01/72	16	16,409.52	83,794.50	6,047.12	106,251.14
Orono	7/01/59	69	242,154.09	350,003.27	16,561.62	608,718.98
Orrington	5/01/75	31	35,553.74	37,225.23	3,745.75	76,524.72
Otisfield	10/01/73	8	1,916.38	2,802.91	248.81	4,968.10
Oxford	9/01/74	3	7,206.43	30,457.38	2,144.34	39,808.15
Oxford County	7/01/57	68	143,220.49	383,726.02	14,533.07	541,479.58
Paris	4/01/69	13	58,843.80	104,652.75	6,583.46	170,080.01
Paris Utilities District	1/01/72	19	43,282.29	61,023.40	5,501.88	109,807.57
Penobscot County	1/01/45	119	192,093.26	848,661.89	33,347.19	1,074,102.34
Penquis C.A.P., Inc.	6/01/77	130	160,632.14	181,203.37	15,370.56	357,206.07
Phippsburg	7/01/74	6	4,817.67	9,593.25	776.15	15,187.07
Piscataquis County	1/01/69	43	97,017.07	171,043.42	11,142.97	279,203.46
Pittsfield	5/02/68	45	61,098.54	96,368.27	5,178.25	162,645.06
Pleasant Point Passamaquoddy R.H.A.	1/01/72	51	5,406.54	32,240.18	2,464.62	40,111.34
Portland	3/01/43	1,722	6,915,398.01	5,705,874.96	258,272.49	12,879,545.46
Portland Housing Authority	7/01/73	47	192,739.61	330,895.54	27,376.84	551,011.99
Portland Public Library	5/01/50	52	229,439.35	564,107.44	25,584.80	819,131.59
Portland Renewal Authority	10/01/55	--	--	250,788.24	5,351.23	256,139.47
Presque Isle	1/01/43	105	603,583.48	902,227.19	46,574.78	1,552,385.45
Princeton	6/01/79	13	9,153.75	5,508.03	553.28	15,215.06
Project Lodestone	8/20/79	2	3,767.67	3,418.18	132.79	7,318.64
Readfield	2/24/75	4	5,677.13	4,215.51	533.93	10,426.57
Richmond	5/01/75	34	46,727.79	41,477.55	4,598.96	92,804.30
Richmond Utilities District	9/01/77	2	3,545.80	5,216.75	535.20	9,297.75
Rockland	11/01/46	90	387,842.46	908,592.63	39,461.76	1,335,896.85
Rockport	4/01/72	21	48,096.98	61,627.70	4,332.37	114,057.05
Rumford	4/01/65	148	443,408.10	670,513.79	36,718.45	1,150,640.34
Rumford Fire & Police	2/10/58	22	168,762.86	644,261.17	24,060.24	837,084.27
Rumford Water District	4/01/60	5	49,923.81	108,541.36	3,100.96	161,566.13
Rumford-Mexico Sewer District	1/20/78	6	8,112.02	8,652.05	768.02	17,532.09
Sabattus	1/01/73	29	34,364.87	44,241.78	4,069.81	82,676.46

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Saco	12/31/73	104	\$ 324,623.82	\$ 892,212.62	\$ 68,935.61	\$ 1,285,772.05
Sagadahoc County	1/01/67	28	64,067.76	258,723.87	10,097.97	332,889.60
St. Agatha	7/01/74	8	16,868.34	40,101.34	3,062.98	60,032.66
Sanford	1/01/66	207	730,547.19	1,376,967.07	76,358.35	2,183,872.61
Sanford Housing Authority	6/01/71	14	24,576.84	36,305.11	2,807.30	63,689.25
Sanford Sewerage District	11/01/66	15	22,494.26	87,270.08	2,754.12	112,518.46
Sanford Water District	11/01/72	22	69,206.91	103,205.23	8,300.24	180,712.38
Scarborough	5/01/71	136	350,839.66	590,725.31	45,314.74	986,879.71
School Administrative District #2	3/05/73	4	15,774.04	36,536.66	2,341.36	54,652.06
School Administrative District #9	9/01/68	46	173,036.11	214,412.31	14,212.48	401,660.90
School Administrative District #13	2/01/76	15	22,344.90	42,819.86	3,705.12	68,869.88
School Administrative District #16	10/01/73	23	28,836.66	81,753.66	6,225.56	116,815.88
School Administrative District #21	7/01/75	28	43,110.80	30,756.99	3,435.04	77,302.83
School Administrative District #28	12/02/64	--	--	8,093.12	97.88	8,191.00
School Administrative District #29	9/01/72	18	42,531.53	110,487.77	7,496.13	160,515.43
School Administrative District #31	2/01/74	36	69,271.69	149,134.44	11,911.42	230,317.55
School Administrative District #34	4/18/64	190	142,757.52	266,130.43	12,781.35	421,669.30
School Administrative District #41	10/01/70	66	112,841.94	220,795.31	16,623.69	350,260.94
School Administrative District #49	4/01/73	23	53,872.42	99,563.65	8,126.75	161,562.82
School Administrative District #51	7/01/74	44	92,444.08	85,027.60	9,366.71	186,838.39
School Administrative District #53	9/15/69	11	27,344.25	28,777.04	1,899.07	58,020.36
School Administrative District #54	5/01/68	41	92,080.85	228,951.35	12,867.54	333,899.74
School Administrative District #56	7/01/75	13	35,934.04	58,863.19	5,226.12	100,023.35
School Administrative District #60	7/01/73	100	85,685.15	126,860.80	10,667.52	223,213.47
School Administrative District #66	12/01/67	2	981.14	69,760.41	588.21	71,329.76
School Administrative District #67	7/01/68	113	139,943.51	248,545.18	17,320.58	405,809.27
School Administrative District #71	5/01/69	82	147,650.70	228,842.70	12,137.68	388,631.08
Searsport	4/01/68	15	38,085.70	60,245.66	3,857.44	102,188.80
Searsport Water District	1/01/69	4	21,601.22	28,235.31	1,918.40	51,754.93
Skowhegan	4/01/65	62	180,283.40	391,231.50	20,984.21	592,499.11
Somerset County	7/10/67	55	97,104.78	203,783.55	10,562.75	311,451.08
South Berwick	7/01/70	30	55,179.27	52,720.71	4,363.03	112,263.01
South Berwick Water District	11/01/72	1	7,883.40	10,509.16	976.32	19,368.88
South Portland	9/01/44	376	1,748,074.76	3,152,414.95	125,351.21	5,025,840.92
South Portland Housing Authority	1/01/75	14	35,099.53	59,415.05	4,980.06	99,494.64

	Date Entered System	Number of Open Accounts	Members Contribution Fund	Retirement Allowance Fund	Reserve Against Future Losses (Net Losses)	Total Trust Reserves
Southern Kennebec Valley Reg. Plan. Comm.	1/01/70	3	\$ 5,534.36	\$ 13,947.00	\$ 672.01	\$ 20,153.37
Southern Penobscot Voc. School - Reg. #4	2/06/81	5	1,470.61	266.09	33.20	1,769.90
Thomaston	5/01/72	19	45,773.42	104,464.00	7,361.47	157,598.89
Topsham	3/01/65	27	46,083.28	124,045.71	5,539.87	175,668.86
Tri-Community Sanitary Landfill	1/01/81	5	1,379.27	607.09	36.89	2,023.25
Van Buren	6/01/73	27	46,729.91	49,667.00	4,703.96	101,100.87
Van Buren Housing Authority	7/01/76	3	7,910.39	23,145.08	1,828.44	32,883.91
Vassalboro	7/01/71	9	10,755.84	30,562.07	1,976.26	43,294.17
Waldoboro	6/01/74	18	66,742.91	88,309.90	8,545.89	163,598.70
Waldo County	1/01/51	43	114,651.65	281,974.18	10,108.10	406,733.93
Wallagrass Plantation	4/01/72	3	2,387.24	8,401.39	498.34	11,286.97
Washburn	9/01/76	10	23,332.81	31,887.32	2,977.66	58,197.79
Washington County	1/01/50	72	99,972.91	414,161.26	14,272.88	528,407.05
Waterville - Fire & Police	2/01/61	47	619,153.21	680,399.87	42,037.64	1,341,590.72
Waterville Sewerage District	10/01/75	12	33,017.77	43,945.56	4,299.06	81,262.39
Waterville Urban Renewal Authority	4/01/74	1	6,318.63	8,087.66	939.32	15,345.61
Wells	1/01/68	80	188,035.99	406,461.25	28,756.85	623,254.09
Wells-Ogunquit C.S.D.	7/01/80	22	38,967.31	83,162.07	2,270.34	124,399.72
Westbrook	3/01/69	111	368,099.83	807,522.96	50,289.17	1,225,911.96
Westbrook - Fire & Police	1/01/62	50	390,640.94	1,013,130.68	56,832.48	1,460,604.10
Westbrook Housing Authority	11/01/79	6	9,290.72	3,137.98	298.04	12,726.74
Wilton	5/01/66	35	74,960.87	114,191.39	7,427.58	196,579.84
Winslow	9/01/70	82	203,107.70	262,298.47	18,975.43	484,381.60
Winter Harbor Utilities District	10/01/78	1	2,121.18	516.46	108.28	2,745.92
Winthrop	5/01/73	70	134,679.74	201,130.71	17,297.44	353,107.89
Yarmouth	4/01/68	116	287,815.80	711,962.83	43,808.16	1,043,586.79
York	7/01/48	70	208,682.34	245,270.66	15,764.21	469,717.21
York County	10/01/49	64	166,891.06	632,195.58	26,014.96	825,101.60
York Sewerage District	5/01/70	5	27,926.38	52,497.40	3,484.31	83,908.09
York Water District	10/01/49	10	30,304.66	190,664.76	4,271.66	225,241.08
Survivor Benefit - Consolidated	\$15,923,584.59				496,465.76	16,420,050.35
TOTALS	\$15,923,584.59	66,346	\$262,186,123.79	\$ 95,291,906.09	\$7,974,563.74	\$381,376,178.21

MAINE STATE RETIREMENT SYSTEM  
RETIREMENT ALLOWANCE PAYROLL  
June 30, 1981 and 1980

	Retired Persons		Increase or (Decrease)	Retirement Allowance Payroll		Increase or (Decrease)	Average Monthly Payments	
	June 1981	June 1980		June 1981	June 1980		June 1981	June 1980
State Employees	6,152	5,878	274	\$2,426,757.83	\$2,235,840.97	\$190,916.86	\$394.47	\$380.37
Teachers - Contributory	5,287	4,977	310	2,866,032.28	2,621,266.23	244,766.05	542.09	526.68
Teachers - Non-contributory	1,682	1,790	(108)	739,217.59	753,049.50	( 13,831.91)	439.49	420.70
Teachers - Retired Prior to 1947	3	7	( 4)	1,009.80	2,199.25	( 1,189.45)	336.60	314.18
Androscoggin County	38	38	-	7,540.56	6,996.91	543.65	198.44	184.13
Aroostook County	18	18	-	3,890.37	3,618.20	272.17	216.73	201.01
Auburn	76	72	4	17,115.04	16,324.05	790.99	225.20	226.72
Auburn Housing Authority	1	2	( 1)	104.85	112.71	( 7.86)	104.85	56.36
Auburn Public Library	5	5	-	865.40	865.40	--	173.08	173.08
Auburn Sewer District	4	3	1	930.36	722.83	207.53	232.59	240.94
Auburn Water District	8	7	1	3,019.74	2,731.85	287.89	377.47	390.26
Augusta	116	112	4	48,322.48	44,951.24	3,371.24	416.57	401.35
Augusta Sanitary District	6	6	-	981.23	943.49	37.74	163.54	157.25
Augusta Water District	10	11	( 1)	4,678.14	5,137.25	( 459.11)	467.81	467.02
Baileyville	5	4	1	1,189.83	798.19	391.64	237.97	199.55
Bangor	243	232	11	88,428.24	83,805.49	4,622.75	363.90	361.23
Bangor Public Library	24	23	1	8,409.44	7,770.44	639.00	350.39	337.85
Bangor Water District	10	11	( 1)	2,143.30	2,222.61	( 79.31)	214.33	202.06
Bar Harbor	17	18	( 1)	4,189.85	4,559.81	( 369.96)	246.46	253.32
Bath	57	56	1	22,906.72	21,365.16	1,541.56	401.87	381.52
Bath Water District	4	4	-	1,412.68	1,358.35	54.33	353.17	339.59
Belfast	13	11	2	1,374.11	1,015.65	358.46	105.70	92.33
Belfast Water District	2	2	-	914.41	879.24	35.17	457.21	439.62
Berwick	1	1	-	205.73	205.73	--	205.73	205.73
Bethel	1	--	1	87.03	--	87.03	87.03	--
Biddeford	36	34	2	7,614.28	5,937.73	1,676.55	211.51	174.64
Bingham Water District	3	3	-	215.91	215.91	--	71.97	71.97
Boothbay-Boothbay Harbor C.S.D.	1	1	-	114.29	114.29	--	114.29	114.29
Boothbay Harbor	2	2	-	201.42	201.42	--	100.71	100.71
Boothbay Harbor Water District	3	3	-	478.08	459.69	18.39	159.36	153.23
Brewer	22	18	4	3,716.98	2,438.36	1,278.62	168.95	135.46
Brewer Water District	4	4	-	1,089.13	1,208.30	( 119.17)	272.28	302.08

	Retired Persons		Increase or (Decrease)	Retirement Allowance Payroll		Increase or (Decrease)	Average Monthly Payments	
	June 1981	June 1980		June 1981	June 1980		June 1981	June 1980
Bridgton	3	3	-	\$ 555.53	\$ 555.53	\$ --	\$185.18	\$185.18
Brownville	1	1	-	75.14	75.14	--	75.14	75.14
Brunswick	74	73	1	15,767.92	15,592.76	175.16	213.08	213.60
Brunswick Sewer District	3	3	-	268.53	258.20	10.33	89.51	86.07
Bucksport	11	8	3	826.07	571.88	254.19	75.10	71.49
Calais	22	20	2	3,889.32	2,015.85	1,873.47	176.79	100.79
Camden	14	13	1	1,752.17	1,628.75	123.42	125.16	125.29
Cape Elizabeth	37	35	2	4,078.79	3,481.75	597.04	110.24	99.48
Chevrus High School	4	3	1	416.45	233.72	182.73	104.11	77.91
Corinna	2	2	-	531.13	531.13	--	265.57	265.57
Corinna Sewer District	1	--	1	172.72	--	172.72	172.72	--
Cranberry Isle	2	2	-	138.38	138.38	--	69.19	69.19
Cumberland County	33	33	-	7,345.77	7,353.49	( 7.72)	222.60	222.83
Dexter	7	6	1	1,171.98	1,041.67	130.31	167.43	173.61
Dixfield	1	--	1	83.33	--	83.33	83.33	--
Dover-Foxcroft	1	2	( 1)	7.64	56.95	( 49.31)	7.64	28.48
Dover-Foxcroft Water District	2	--	2	333.25	--	333.25	166.63	--
East Millinocket	19	19	-	5,007.56	4,700.84	306.72	263.56	247.41
Easton	1	--	1	576.08	--	576.08	576.08	--
Eliot	2	2	-	453.42	435.98	17.44	226.71	217.99
Ellsworth	19	17	2	2,889.63	2,219.27	670.36	152.09	130.55
Exeter	1	1	-	87.53	87.53	--	87.53	87.53
Falmouth	24	24	-	4,826.00	5,236.00	( 410.00)	201.08	218.17
Falmouth Memorial Library	1	1	-	100.00	100.00	--	100.00	100.00
Farmington	7	6	1	2,150.94	1,965.92	185.02	307.28	327.65
Farmington Village Corporation	2	1	1	539.07	104.07	435.00	269.54	104.07
Fort Fairfield	9	8	1	2,238.01	1,929.85	308.16	248.67	241.23
Fort Fairfield Utilities District	1	1	-	384.57	369.78	14.79	384.57	369.78
Fort Kent	4	4	-	1,038.31	1,038.31	--	259.58	259.58
Franklin County	9	9	-	1,312.54	1,262.07	50.47	145.84	140.23
Freeport	4	4	-	418.69	418.69	--	104.67	104.67
Frenchville	1	1	-	417.37	417.37	--	417.37	417.37
Gardiner	14	15	( 1)	3,238.83	3,569.05	( 330.22)	231.35	237.94
Gardiner Water District	1	--	1	420.84	--	420.84	420.84	--
Garland	1	1	-	98.44	98.44	--	98.44	98.44

	Retired Persons		Increase or (Decrease)	Retirement Allowance Payroll		Increase or (Decrease)	Average Monthly Payments	
	June 1981	June 1980		June 1981	June 1980		June 1981	June 1980
Glenburn	1	1	-	\$ 90.17	\$ 90.17	\$ --	\$ 90.17	\$ 90.17
Gorham	7	7	-	1,472.04	1,023.02	449.02	210.29	146.15
Gould Academy	2	1	1	312.44	150.74	161.70	156.22	150.74
Greater Portland Council of Governments	1	1	-	817.66	786.21	31.45	817.66	786.21
Greater Portland Public Development Comm.	6	6	-	3,165.15	3,043.41	121.74	527.53	507.24
Greenville	1	1	-	47.91	47.91	--	47.91	47.91
Hampden	7	7	-	1,107.09	1,107.09	--	158.16	158.16
Hampden Water District	1	1	-	88.21	88.21	--	88.21	88.21
Hancock County	17	13	4	3,192.68	2,107.05	1,085.63	187.81	162.08
Hermon	4	3	1	235.60	188.24	47.36	58.90	62.75
Houlton	18	16	2	4,706.55	2,971.16	1,735.39	261.48	185.70
Houlton Water District	12	11	1	5,626.15	5,051.24	574.91	468.85	459.20
Howland	1	1	-	41.73	41.73	--	41.73	41.73
Jackman	1	1	-	58.74	58.74	--	58.74	58.74
Jay	8	7	1	566.79	537.54	29.25	70.85	76.79
Kennebec County	22	19	3	3,500.76	3,030.22	470.54	159.13	159.49
Kennebec Water District	12	12	-	3,528.36	3,392.64	135.72	294.03	282.72
Kennebunk	7	7	-	661.25	635.82	25.43	94.46	90.83
Kennebunk, Kennebunkport & Wells Water District	2	--	2	1,058.93	--	1,058.93	529.47	--
Kennebunk Light & Power	9	9	-	2,586.88	2,487.38	99.50	287.43	276.38
Kennebunkport	5	5	-	1,210.22	1,210.22	--	242.04	242.04
Kittery	14	13	1	3,637.83	3,237.19	400.64	259.85	249.01
Kittery Water District	5	5	-	2,641.90	2,540.29	101.61	528.38	508.06
Knox County	17	15	2	3,757.82	3,426.85	330.97	221.05	228.46
Lewiston	174	163	11	54,709.06	58,859.23	( 4,150.17)	314.42	361.10
Lewiston Housing Authority	1	1	-	408.29	408.29	--	408.29	408.29
Limestone Water & Sewerage District	1	1	-	34.56	34.56	--	34.56	34.56
Lincoln	6	6	-	1,346.87	1,346.87	--	224.48	224.48
Lincoln County	11	10	1	1,267.43	1,137.91	129.52	115.22	113.79
Lisbon	13	10	3	2,220.93	1,624.46	596.47	170.84	162.45
Livermore Falls	5	4	1	781.25	678.14	103.11	156.25	169.54
Livermore Falls Water District	1	1	-	394.95	379.76	15.19	394.95	379.76
Lubec Water & Electric	3	3	-	757.27	728.14	29.13	252.42	242.71
Madawaska	12	11	1	2,585.54	2,444.19	141.35	215.46	222.20
Maine Maritime Academy	36	34	2	8,286.93	6,963.76	1,323.17	230.19	204.82

	Retired Persons		Increase or (Decrease)	Retirement Allowance Payroll		Increase or (Decrease)	Average Monthly Payments	
	June 1981	June 1980		June 1981	June 1980		June 1981	June 1980
Maine Municipal Association	3	3	-	\$ 1,537.81	\$ 1,108.77	\$ 429.04	\$512.60	\$369.59
Maine-New Hampshire Bridge Authority	6	6	-	1,724.09	1,657.78	66.31	287.35	276.30
Maine School Management Association	1	--	1	625.23	--	625.23	625.23	--
Maine Turnpike Authority	115	109	6	36,072.52	33,276.22	2,796.30	313.67	305.29
Mars Hill	1	--	1	55.05	--	55.05	55.05	--
Mechanic Falls	2	--	2	200.00	--	200.00	100.00	--
Medway	3	3	-	232.44	232.44	--	77.48	77.48
Mexico	4	2	2	1,142.12	413.54	728.58	285.53	206.77
Milford	1	--	1	108.94	--	108.94	108.94	--
Millinocket	33	27	6	17,531.14	14,112.92	3,418.22	531.25	522.70
Milo	5	4	1	1,089.34	919.60	169.74	217.87	229.90
Mount Desert	9	9	-	1,720.59	1,654.40	66.19	191.18	183.82
Mount Desert Island Regional School District	2	2	-	48.86	48.86	--	24.43	24.43
New Canada Plantation	1	1	-	80.00	80.00	--	80.00	80.00
Norway	6	6	-	1,045.83	1,045.83	--	174.31	174.31
Old Orchard Beach	16	13	3	4,021.31	2,730.30	1,291.01	251.33	210.02
Old Town	31	25	6	6,187.01	4,955.11	1,231.90	199.58	198.20
Old Town Water District	1	1	-	477.09	477.09	--	477.09	477.09
Orland	5	4	1	487.97	404.97	83.00	97.59	101.24
Orono	13	13	-	2,452.21	2,452.21	--	188.63	188.63
Otisfield	1	1	-	21.89	21.89	--	21.89	21.89
Oxford	2	2	-	268.00	268.00	--	134.00	134.00
Oxford County	19	18	1	2,602.24	2,418.86	183.38	136.96	134.38
Paris	2	2	-	490.39	490.39	--	245.20	245.20
Paris Utilities District	4	2	2	4,821.50	335.27	4,486.23	1,205.38	167.64
Penobscot County	28	25	3	5,829.44	4,749.99	1,079.45	208.19	190.00
Penquis C.A.P., Inc.	3	1	2	347.00	153.71	193.29	115.67	153.71
Piscataquis County	6	4	2	543.23	230.80	312.43	90.54	57.70
Pittsfield	3	4	( 1)	224.33	255.78	( 31.45)	74.78	63.95
Portland	582	571	11	244,991.93	232,697.72	12,294.21	420.95	407.53
Portland Housing Authority	5	5	-	1,330.98	1,279.78	51.20	266.20	255.96
Portland Public Library	11	9	2	5,805.24	4,321.79	1,483.45	527.75	480.20
Portland Renewal Authority	8	8	-	1,820.42	1,750.40	70.02	227.55	218.80
Presque Isle	24	21	3	9,366.19	6,798.39	2,567.80	390.26	323.73
Princeton	1	--	1	232.75	--	232.75	232.75	--

	Retired Persons		Increase or (Decrease)	Retirement Allowance Payroll		Increase or (Decrease)	Average Monthly Payments	
	June 1981	June 1980		June 1981	June 1980		June 1981	June 1980
Richmond Utilities District	1	--	1	\$ 110.04	\$ --	\$ 110.04	\$110.04	\$ --
Rockland	31	29	2	9,144.70	7,723.64	1,421.06	294.99	266.33
Rumford	34	33	1	7,380.08	7,000.07	380.01	217.06	212.12
Rumford Fire & Police	17	18	( 1)	10,544.33	10,676.36	( 132.03)	620.26	593.13
Rumford Water District	3	2	1	611.92	378.09	233.83	203.97	189.05
Saco	14	15	( 1)	3,698.58	3,820.05	( 121.47)	264.18	254.67
Sagadahoc County	8	8	-	1,317.39	1,317.39	--	164.67	164.67
Sanford	52	48	4	7,937.85	7,315.44	622.41	152.65	152.41
Sanford Housing Authority	1	--	1	144.97	--	144.97	144.97	--
Sanford Sewer District	6	6	-	1,078.65	1,078.65	--	179.78	179.78
Sanford Water District	1	1	-	163.22	359.08	( 195.86)	163.22	359.08
Scarborough	25	26	( 1)	3,062.92	3,046.49	16.43	122.52	117.17
School Administrative District #2	1	1	-	319.82	319.82	--	319.82	319.82
School Administrative District #9	8	7	1	952.91	783.77	169.14	119.11	111.97
School Administrative District #13	2	1	1	421.75	318.23	103.52	210.88	318.23
School Administrative District #16	4	4	-	322.08	322.08	--	80.52	80.52
School Administrative District #21	1	2	( 1)	178.12	287.76	( 109.64)	178.12	143.88
School Administrative District #29	4	4	-	719.96	692.27	27.69	179.99	173.07
School Administrative District #31	2	2	-	200.00	200.00	--	100.00	100.00
School Administrative District #34	8	8	-	720.07	844.77	( 124.70)	90.00	105.60
School Administrative District #41	6	3	3	646.19	290.89	355.30	107.70	96.96
School Administrative District #49	6	5	1	573.59	437.47	136.12	95.60	87.49
School Administrative District #53	1	1	-	179.03	179.03	--	179.03	179.03
School Administrative District #54	17	14	3	1,640.89	1,217.15	423.74	96.52	86.94
School Administrative District #56	2	2	-	261.28	261.28	--	130.64	130.64
School Administrative District #60	1	1	-	48.60	48.60	--	48.60	48.60
School Administrative District #66	1	1	-	4.33	4.33	--	4.33	4.33
School Administrative District #67	6	6	-	704.48	677.38	27.10	117.41	112.90
School Administrative District #71	5	5	-	426.96	426.96	--	85.39	85.39
Searsport	3	3	-	232.13	232.13	--	77.38	77.38
Skowhegan	11	11	-	2,069.30	2,022.80	46.50	188.12	183.89
Somerset County	8	8	-	979.96	979.96	--	122.50	122.50
South Berwick	1	1	-	47.97	47.97	--	47.97	47.97
South Berwick Water District	1	1	-	100.00	100.00	--	100.00	100.00
South Portland	157	146	11	47,925.91	41,958.44	5,967.47	305.26	287.39



	Retired Persons		Increase or (Decrease)	Retirement Allowance Payroll		Increase or (Decrease)	Average Monthly Payments	
	June 1981	June 1980		June 1981	June 1980		June 1981	June 1980
Thomaston	2	1	1	\$ 414.42	\$ 163.58	\$ 250.84	\$207.21	\$163.58
Topsham	5	5	-	1,096.84	1,054.66	42.18	219.37	210.93
Van Buren Housing Authority	2	2	-	121.19	121.19	--	60.60	60.60
Vassalboro	2	2	-	94.94	94.94	--	47.47	47.47
Waldoboro	2	2	-	199.21	199.21	--	99.61	99.61
Waldo County	10	9	1	1,803.70	1,324.54	479.16	180.37	147.17
Washington County	19	18	1	4,317.91	4,025.14	292.77	227.26	223.62
Waterville Fire & Police	5	5	-	3,137.71	3,137.71	--	627.54	627.54
Wells	9	9	-	1,659.07	1,595.26	63.81	184.34	177.25
Wells - Ogunquit C.S.D.	1	--	1	231.45	--	231.45	231.45	--
Westbrook	39	34	5	7,006.93	5,754.56	1,252.37	179.67	169.25
Westbrook Fire & Police	6	6	-	1,656.36	1,570.75	85.61	276.06	261.79
Wilton	4	4	-	532.40	532.40	--	133.10	133.10
Winslow	7	4	3	957.95	429.33	528.62	136.85	107.33
Winthrop	9	8	1	1,832.33	1,567.83	264.50	203.59	195.98
Yarmouth	13	13	-	2,468.40	2,337.24	131.16	189.88	179.79
York	5	5	-	546.85	525.82	21.03	109.37	105.16
York County	29	23	6	5,844.43	4,256.58	1,587.85	201.53	185.07
York Water District	6	6	-	2,338.09	2,248.15	89.94	389.68	374.69
TOTALS	<u>16,216</u>	<u>15,557</u>	<u>659</u>	<u>\$6,942,340.23</u>	<u>\$6,446,313.05</u>	<u>\$496,027.18</u>	<u>\$428.12</u>	<u>\$414.37</u>

Note: Monthly payments include Disability and Accidental Death Benefits, where applicable

MAINE STATE RETIREMENT SYSTEM  
SURVIVOR BENEFIT PAYROLL  
June 30, 1981 and 1980

	Persons Receiving Benefits		Increase or (Decrease)	Benefits Paid		Increase or (Decrease)
	June 1981	June 1980		June 1981	June 1980	
State	419	413	6	\$ 74,354.99	\$ 71,747.52	\$2,607.47
Teachers	181	174	7	35,663.09	33,500.14	2,162.95
Androscoggin County	2	2	--	245.52	236.07	9.45
Auburn	11	11	--	1,800.00	1,800.00	--
Augusta	2	4	( 2)	200.00	400.00	( 200.00)
Bangor	17	18	( 1)	2,050.00	2,450.00	( 400.00)
Bath	4	3	1	499.09	383.73	115.36
Brewer	2	2	--	200.00	200.00	--
Camden	1	1	--	108.16	104.00	4.16
Cumberland County	4	5	( 1)	500.00	700.00	( 200.00)
East Millinocket	1	1	--	100.00	100.00	--
Ellsworth	2	2	--	200.00	200.00	--
Fort Fairfield	1	1	--	100.00	100.00	--
Gardiner	1	1	--	100.00	100.00	--
Greater Portland Public Development Commission	1	1	--	100.00	100.00	--
Houlton	2	2	--	200.00	300.00	( 100.00)
Houlton Water District	2	2	--	313.14	301.10	12.04
Kennebec Water District	1	1	--	108.16	104.00	4.16
Kittery	2	1	1	200.00	100.00	100.00
Kittery Water District	1	1	--	332.56	319.77	12.79
Lewiston	5	4	1	955.07	3,363.23	( 2,408.16)
Maine Turnpike Authority	20	20	--	3,362.79	3,374.82	( 12.03)
Millinocket	1	1	--	100.00	150.00	( 50.00)
Penobscot County	1	1	--	224.97	270.40	( 45.43)
Portland	42	38	4	5,496.64	4,750.00	746.64
Presque Isle	4	4	--	700.00	500.00	200.00
Rumford	2	2	--	200.00	200.00	--
Scarborough	1	--	1	100.00	--	100.00
South Portland	7	7	--	1,102.17	1,163.77	( 61.60)
Waterville Fire & Police	2	2	--	500.00	500.00	--
Wells	2	2	--	507.24	487.73	19.51
Westbrook Fire & Police	1	1	--	100.00	100.00	--
York County	1	1	--	233.97	224.97	9.00
TOTALS	<u>746</u>	<u>729</u>	<u>17</u>	<u>\$130,957.56</u>	<u>\$128,331.25</u>	<u>\$2,626.31</u>

MAINE STATE RETIREMENT SYSTEM

Summary of Earnings - July 1, 1942 through June 30, 1981

Year Ending June 30	Book Value of Investments	Net Increase in Book Value of Investments for the year	Earnings During Year ** Accrual Basis	Rate of Return % **
1943	\$ 576,142.97	\$ 318,000.00	\$ 1,884.35	
1944	1,026,142.97	450,000.00	12,154.46	
1945	1,486,142.97	460,000.00	25,560.90	
1946	1,930,142.97	444,000.00	50,140.29	
1947	2,489,142.97	559,000.00	52,522.09	2.590
1948	7,263,648.72	4,774,505.75	159,487.91	2.517
1949	9,038,648.72	1,775,000.00	206,934.14	2.566
1950	11,023,648.72	1,985,000.00	256,668.07	2.578
1951	12,934,768.72	1,911,120.00	317,497.98	2.649
1952	15,432,488.89	2,497,720.17	386,620.65	2.722
1953	17,823,719.34	2,391,230.45	464,578.19	2.799
1954	21,346,256.29	3,522,536.95	576,314.21	2.953
1955	24,801,155.43	3,454,899.14	713,411.34	3.095
1956	29,012,312.28	4,211,156.85	820,511.51	3.068
1957	33,137,935.09	4,125,622.81	1,014,162.82	3.3035
1958	38,302,811.29	5,164,876.20	1,233,750.20	3.4975
1959	44,511,070.88	6,208,259.59	1,473,324.30	3.609
1960	50,880,174.72	6,369,103.84	1,781,368.02	3.787
1961	57,633,773.71	6,753,598.99	2,145,427.31	4.0045
1962	66,498,248.08	8,864,474.37	2,540,623.88	4.1582
1963	75,022,765.44	8,524,517.36	2,925,300.13	4.2023
1964	85,913,758.52	10,890,993.08	3,328,056.40	4.2074
1965	96,930,762.57	11,017,004.05	3,870,496.12	4.3196
1966	108,555,742.38	11,624,979.81	4,475,359.34	4.4431
1967	120,564,775.29	12,009,032.91	5,070,389.31	4.5177
1968	135,081,371.78	14,516,596.49	5,741,943.99	4.5899
1969	150,501,422.09	15,420,050.31	6,103,338.79	4.3610
1970	163,500,431.87	12,999,009.78	6,310,034.78	4.0939
1971	175,261,654.19	11,761,222.32	6,357,344.92	3.8132
1972	184,789,453.85	9,527,799.66	6,593,475.25	3.7203
1973	185,867,989.22	1,078,535.37	6,651,554.76	3.6460
1974	188,846,484.91	2,978,495.69	8,344,366.67	4.5292
1975	188,397,103.61	( 449,381.30)	9,386,916.98	5.0539
1976	193,878,411.56	5,481,307.95	8,861,728.87	4.6566
1977	206,401,915.73	12,523,504.17	10,751,249.86	5.2269
1978	230,676,904.21	24,274,988.48	12,899,069.24	5.6902
1979	247,923,507.81	17,246,603.60	16,314,180.33	6.6881
1980	272,523,379.27	24,599,871.46	21,918,345.94	7.8799
1981	346,806,884.82	74,283,505.55	28,628,894.51	8.5695

\*\* Earnings and Rate of Return applicable to total trust fund reserves (\$381,376,178 as of June 30, 1981)

MAINE STATE RETIREMENT SYSTEM  
Administration Funds  
Fiscal Year Ending June 1981 and 1980

	<u>General Administration</u>		<u>General Administration</u>		<u>Participating Districts</u>	
	<u>1981</u>		<u>1980</u>		<u>Actuarial Services</u>	
					<u>1981</u>	<u>1980</u>
<u>Revenue:</u>						
<u>State Contributions</u>						
<u>Teachers</u>						
General Fund		\$362,260.00		\$362,260.00		
<u>State Employees</u>						
General Fund	\$166,322.54		\$150,823.60			
Highway Funds	80,523.11		78,566.59			
Federal Program Funds	68,107.25		60,619.37			
Special Revenue Funds	22,284.92		21,107.33			
Other State Funds	<u>26,851.37</u>	<u>364,089.19</u>	<u>25,044.90</u>	<u>336,161.79</u>		
Total State Contributions		726,349.19		698,421.79		
Participating Districts		131,628.63		137,576.43	\$60,894.00	\$59,459.00
Academies		527.53		586.07		
Miscellaneous		<u>30.00</u>		<u>50.00</u>		
Total Revenue		858,535.35		836,634.29	60,894.00	59,459.00
<u>Expenditures:</u>						
Personal Services		349,967.49		329,129.82		
Actuarial Services						
Towne & Associates		19,714.04		22,016.38	60,894.00	59,459.00
Data Processing		84,321.15		76,128.12		
Utilities		8,442.26		7,989.84		
Postage & Mailing		36,750.55		36,212.08		
Repairs to Equipment		10,244.10		10,376.81		
Printing & Binding		9,334.06		8,841.45		
Office Supplies		11,333.76		8,576.81		
Retirement Costs		59,513.14		55,445.84		
Research & Legal Services		11,804.28		18,490.62		

Health Insurance	11,721.69	10,949.31		
STA-CAP Costs	75,069.52	20,199.83		
General Operating Costs	1,458.63	1,343.98		
Travel	8,247.31	7,643.37		
Office Equipment	10,927.67	4,565.14		
Total Expenditures	708,849.67	617,909.40	60,894.00	59,459.00
Current Year Reserves	149,685.68	218,724.89		
Prior Year Reserves	572,136.12	353,411.23		
Balance of Reserves	<u>\$721,821.80</u>	<u>\$572,136.12</u>	<u>-0-</u>	<u>-0-</u>

Note: Expenditures have been reduced for the 1981 year by \$129,761.00 and charged to the Insurance (\$60,510.00) and Social Security (\$69,251.00) administration accounts

State Employee Retiree Health Insurance  
Fiscal Year Ending June 1981 and 1980

	<u>1981</u>	<u>1980</u>
<u>Revenue:</u>		
General Fund	\$ 778,816.01	\$ 706,397.86
Highway Funds	377,054.65	367,974.68
Federal Program Funds	318,916.62	283,917.02
Special Revenue Funds	104,350.56	98,858.36
Other State Funds	125,733.25	117,300.39
Total Revenue	<u>1,704,871.09</u>	<u>1,574,448.31</u>
<u>Expenditures:</u>		
Health Insurance Premiums	<u>992,465.15</u>	<u>980,359.01</u>
Current Year Reserves	712,405.94	594,089.30
Prior Year Reserves	<u>1,165,774.77</u>	<u>571,685.47</u>
Balance of Reserves	<u>\$1,878,180.71</u>	<u>\$1,165,774.77</u>

MAINE STATE RETIREMENT SYSTEM  
Group Life Insurance  
Comparative Balance Sheet  
at June 30

		ASSETS		
		1981	1980	Increase or (Decrease)
Assets:				
Cash (Demand Deposit)	Note I	\$10,974,004.73	\$9,020,539.44	\$1,953,465.29
Accounts Receivable (Net)		10,510.00	5,695.00	4,815.00
Due From Other Funds		50,000.00	50,000.00	--
Total Assets		<u>\$11,034,514.73</u>	<u>\$9,076,234.44</u>	<u>\$1,958,280.29</u>

RESERVES, LIABILITIES AND WORKING CAPITAL

Reserves and Working Capital:				
Reserve for Retiree Premiums		\$ 8,236,954.11	\$6,766,345.62	\$1,470,608.49
Reserve for Contingencies		25,000.00	25,000.00	--
Reserve for Supplemental Distribution		2,449,155.42	1,971,699.25	477,456.17
Working Capital		50,000.00	50,000.00	--
Total Reserves and Working Capital		<u>10,761,109.53</u>	<u>8,813,044.87</u>	<u>1,948,064.66</u>
Liabilities:				
Accounts Payable		<u>273,405.20</u>	<u>263,189.57</u>	<u>10,215.63</u>
Total Liabilities		<u>273,405.20</u>	<u>263,189.57</u>	<u>10,215.63</u>
Total Reserves, Liabilities and Working Capital		<u>\$11,034,514.73</u>	<u>\$9,076,234.44</u>	<u>\$1,958,280.29</u>

Note I - Invested in State Treasurer's "Cash Pool"

MAINE STATE RETIREMENT SYSTEM  
Statement of Operations  
Group Life Insurance Fund  
Year Ending June 30, 1981

Available Funds:

Premiums Collected (1980-81) -		
Basic	\$2,181,494.98	
Supplemental	998,438.48	
Dependent	<u>75,849.56</u>	\$3,255,783.02
Dividend Received -		
State & Teachers	1,178,878.00	
Participating Districts	<u>254,402.00</u>	1,433,280.00
Appropriations from General Fund -		
Retired Employees Premiums		359,000.00
Reimbursement of Administration Costs -		
State	50,000.00	
Participating Districts	<u>10,510.00</u>	60,510.00
Earnings on Investments -		
State Treasurer's "Cash Pool"		<u>1,499,737.25</u>
TOTAL		<u>\$6,608,310.27</u>

Expenditures, Dividend Distributions and  
Additions to Reserves:

Premiums Paid to Insurer -		
Employee and Employers Contributions		
Basic	\$2,181,494.98	
Supplemental	998,438.48	
Dependent	<u>75,849.56</u>	\$3,255,783.02
Retired Persons -		
Employees Insurance Premiums	<u>856,870.59</u>	\$4,112,653.61
Supplemental Distribution		232,680.00
Administration Expense		60,510.00
Dividend Distribution to Participating Districts -		
Cash Payments	249,260.00	
Retained for Administration Costs	<u>5,142.00</u>	254,402.00
Addition to Reserves -		
Reserve for Retirees Premiums	1,470,608.49	
Reserve for Supplemental Distribution	<u>477,456.17</u>	1,948,064.66
TOTAL		<u>\$6,608,310.27</u>

MAINE STATE RETIREMENT SYSTEM  
GROUP LIFE INSURANCE FUND

The following report on the Group Life Insurance program, which is underwritten by Unionmutual Company and administered by the Board of Trustees, covers the activities of the plan for the policy year July 1, 1980, to June 30, 1981.

Total dividends plus interest for all units under the plan for the policy year ending June 30, 1981, amounted to \$1,461,057, an increase of \$27,777 more than the previous year, as follows:

	<u>Year Ended June 30</u>	
	<u>1981</u>	<u>1980</u>
State & Teacher (Basic)	\$ 932,426	\$ 798,881
State & Teacher (Supplemental)	314,832	374,345
City of Portland	52,169	17,715
City of Bangor	( 7,226)	( 3,965)
Pooled Districts (Basic)	119,295	195,340
Pooled Districts (Supplemental)	<u>49,561</u>	<u>50,964</u>
Total	<u>\$1,461,057</u>	<u>\$1,433,280</u>

Dividends from the State and Teacher Basic plan are credited to a Reserve for Future Premiums account, and are used to fund approximately one-half of the cost of premiums on retired state employees and teachers lives. The balance of the retired premiums is funded from a State General Fund appropriation and Supplemental Dividend Reserve account, which when combined with interest earnings on this account is used to pay a 30% dividend distribution, to the beneficiaries of those individuals who have been under the Supplemental plan for five years. The beneficiaries of those individuals under the Supplemental plan for less than five years receive a pro rata Supplemental dividend distribution.

Local district dividends are distributed in December after the applicable administration charges have been made. It will be noted that the City of Bangor experience has resulted in a minus dividend of \$7,226, which follows a minus dividend for this account in the previous year of \$3,965. Recovery of these amounts is planned during the following policy year.

Gross retention by the Underwriter during the year was \$142,464 which was off-set in part by interest credits totalling \$71,316.



MAINE STATE RETIREMENT SYSTEM  
POLICY # 2200  
DIVIDEND SUMMARY  
7/1/80 to 7/1/81

	STATE & TEACHER BASIC	STATE & TEACHER SUPPL.	PORTLAND	BANGOR	PD BASIC	PD SUPPLEMENTAL	ALL PLANS
EARNED PREMIUM	\$ 2,428,208	\$ 926,916	\$ 130,451	\$ 68,457	\$423,891	\$ 71,522	\$4,049,445
PAID CLAIMS	1,455,538	554,664	68,873	75,461	253,851	19,135	2,427,522
BEGINNING RESERVE	261,625	60,000	-0-	4,344	35,754	4,200	365,923
END RESERVE	277,102	102,120	4,833	1,129	66,257	4,200	455,641
INCURRED CLAIMS	1,471,015	596,784	73,706	72,246	284,354	19,135	2,517,240
GROSS RETENTION	76,361	21,797	7,408	4,131	27,781	4,986	142,464
INTEREST CREDITS	24,605	9,392	1,322	694	4,295	725	41,033
NET RETENTION	51,756	12,405	6,086	3,437	23,486	4,261	101,431
GROSS DIVIDEND	905,437	317,727	50,659	(7,226)	116,051	48,126	1,430,774
INTEREST CHARGE ON SUPPL. DIVIDEND	-	12,008	-	-	-	-	12,008
INTEREST ON PREL. DIV. @ 10.22% TO 9/1/81	16,112	6,368	-0-	-0-	-0-	-0-	22,480
INT. ON ADDL. DIV DUE @ 10.22% to 10/15	10,877	2,745	1,510	-0-	3,244	1,435	19,811
DIV. PLUS INTEREST	932,426	314,832	52,169	(7,226)	119,295	49,561	1,461,057
LESS PRELIM. DIV.	960,568	379,660	-0-	-0-	-0-	-0-	1,340,228
BALANCE DUE ON DIV. PLUS INTEREST	(28,142)	(64,828)	52,169	(7,226)	119,295	49,561	120,829

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MAINE STATE RETIREMENT SYSTEM  
POLICY # 2200  
BASIC & DEPENDENT  
7/1/80 to 7/1/81

PD #	DISTRICT	PAID PREMIUM	PAID CLAIMS PLUS CONVERSIONS	L/R	DIVIDEND	INTEREST	DIVIDEND PLUS INTEREST
04	City of Presque Isle	\$ 9,368	\$ 8,033	85.7%	\$ 2,565	\$ 72	\$ 2,637
05	County of Cumberland	9,676	900	9.3%	2,649	74	2,723
08	Town of Camden	2,611	-0-	-0-	715	20	735
09	City of South Portland	32,050	7,951	24.8%	8,775	245	9,020
10	Town of Houlton	6,461	1,505	23.3%	1,769	49	1,818
11	County of Penobscot	6,588	-0-	-0-	1,804	50	1,854
12	Kittery Water Dist.	858	-0-	-0-	235	7	242
13	City of Ellsworth	3,126	1,683	53.8%	856	24	880
15	Town of Bar Harbor	4,925	2,033	41.3%	1,348	38	1,386
16	Town of Mt. Desert	3,974	-0-	-0-	1,088	30	1,118
17	Town of Ft. Fairfield	2,935	-0-	-0-	804	22	826
18	City of Rockland	6,434	-0-	-0-	1,761	49	1,810
21	Boothbay Harbor Water	545	-0-	-0-	149	4	153
22	Bangor Public Library	3,047	-0-	-0-	834	23	857
23	City of Augusta	27,536	24,472	88.8%	7,539	211	7,750
24	City of Gardiner	3,635	1,006	27.7%	995	28	1,023
26	Houlton Water Dist.	3,759	-0-	-0-	1,029	29	1,058
28	Town of York	3,053	-0-	-0-	836	23	859
29	Limestone Water & Sewer	327	-0-	-0-	90	2	92
30	Town of St. Agatha	495	-0-	-0-	136	4	140
31	Kennebec Water Dist.	2,808	-0-	-0-	769	21	790
32	Lifermore Falls Water Dist.	964	-0-	-0-	264	7	271
33	County of Knox	2,344	10,296	439.2%	642	18	660
34	Augusta Water Dist.	4,227	2,742	64.9%	1,157	32	1,189
35	City of Belfast	3,905	-0-	-0-	1,069	30	1,099
36	City of Calais	3,836	25,087	653.9%	1,050	29	1,079
38	Maine Maritime Acad.	17,567	1,182	6.1%	4,809	134	4,943
39	York Water District	784	-0-	-0-	215	6	221
40	County of Washington	4,661	1,004	21.5%	1,276	36	1,312
41	Portl. Public Library	2,844	-0-	-0-	779	22	801



MAINE STATE RETIREMENT SYSTEM  
POLICY # 2200  
BASIC & DEPENDENT  
7/1/80 to 7/1/81

PD #	DISTRICT	PAID PREMIUM	PAID CLAIMS PLUS CONVERSIONS	L/R	DIVIDEND	INTEREST	DIVIDEND PLUS INTEREST
42	Town of Burnswick	\$ 18,027	\$ 22,681	125.8%	\$ 4,935	\$ 138	\$ 5,073
46	County of Waldo	3,039	-0-	-0-	832	23	885
49	Maine Turnpike Auth.	37,729	13,100	34.7%	10,329	289	10,618
51	Auburn Sewerage Dist.	813	-0-	-0-	223	6	229
52	Auburn Water Dist.	2,265	-0-	-0-	620	17	637
54	Town of E. Millinocket	4,528	2,083	46.0%	1,239	35	1,274
55	Me. Municipal Assoc.	1,199	-0-	-0-	328	9	337
59	Bangor Water Dist.	3,487	2,598	74.5%	955	27	982
60	Town of Rumford P&F	2,252	-0-	-0-	617	17	634
61	Town of Orono	3,324	-0-	-0-	910	25	935
62	Kennebec Light & Power	2,783	-0-	-0-	762	21	783
64	Augusta Sewerage	2,854	-0-	-0-	781	22	803
65	Rumford Water Dist.	1,209	15,043	1244.3%	331	9	340
67	County of Androscoggin	5,084	1,005	19.8%	1,392	39	1,431
72	Brunswick Sewer	702	-0-	-0-	192	5	197
73	City of Bath	12,709	1,505	11.8%	3,479	97	3,576
77	SAD # 34	2,042	-0-	-0-	559	16	575
78	SAD # 28	218	-0-	-0-	60	2	62
80	Town of Skowhegan	3,988	-0-	-0-	1,092	30	1,122
81	Town of Topsham	478	-0-	-0-	131	4	135
83	Town of Sanford	14,345	2,058	14.3%	3,927	110	4,037
84	Town of Kennebec	2,687	-0-	-0-	736	21	757
85	Town of Cape Elizabeth	7,107	1,209	17.0%	1,946	54	2,000
86	Town of Wilton	636	-0-	-0-	174	5	179
87	Town of Falmouth	8,141	1,765	21.7%	2,229	62	2,291
89	Sanford Sewerage	596	-0-	-0-	163	5	168
90	Town of Rumford	10,857	17,079	157.3%	2,972	83	3,055
93	Maine Mun. Bond Bank	199	-0-	-0-	54	2	56
94	Gr. Port. Council of Gvts.	1,855	-0-	-0-	508	14	522
96	Sagadahoc County	2,872	-0-	-0-	786	22	808
98	Town of Frenchville	234	-0-	-0-	64	2	66
104	Town of Milo	1,144	-0-	-0-	313	9	322
105	St. Principals Assoc.	493	503	102.0%	135	4	139

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MAINE STATE RETIREMENT SYSTEM  
POLICY # 2200  
BASIC & DEPENDENT  
7/1/80 to 7/1/81

PD #	DISTRICT	PAID PREMIUM	PAID CLAIMS PLUS CONVERSIONS	L/R	DIVIDEND	INTEREST	DIVIDEND PLUS INTEREST
109	Town of Livermore	\$ 757	\$ -0-	-0-	\$ 207	\$ 6	\$ 213
114	Town of Mechanic Falls	1,839	-0-	-0-	503	14	517
115	SAD # 54	2,684	11,047	411.6%	735	21	756
116	Town of Yarmouth	3,866	-0-	-0-	1,058	30	1,088
117	Town of Searsport	1,628	-0-	-0-	446	12	458
121	County of Piscataquis	2,410	-0-	-0-	660	18	678
124	Searsport Water Dist.	474	-0-	-0-	130	4	134
125	Town of Norway	1,513	-0-	-0-	414	12	426
127	Town of Paris	1,130	-0-	-0-	309	9	318
128	SAD # 71	2,684	-0-	-0-	735	21	756
130	Town of Bucksport	5,579	-0-	-0-	1,527	43	1,570
131	Ft. Fairfield Utilities	1,038	-0-	-0-	284	8	292
132	Belfast Water Dist.	602	-0-	-0-	165	5	170
133	Town of Gorham	7,104	-0-	-0-	1,945	54	1,999
143	SAD # 41	2,067	-0-	-0-	566	16	582
145	Auburn Housing Auth.	996	-0-	-0-	273	8	281
150	Town of Herman	899	-0-	-0-	246	7	253
152	Sanford Housing Auth.	939	-0-	-0-	257	7	264
159	Paris Utility Dist.	968	51,318	530.1%	265	7	272
161	Town of Rockport	904	-0-	-0-	247	7	254
163	Lewiston-Auburn Water	2,039	-0-	-0-	558	16	574
164	Town of Thomaston	1,449	6,035	416.5%	397	11	408
167	Town of Dover-Foxcroft	3,356	-0-	-0-	919	26	945
169	Maine Housing Auth.	137	-0-	-0-	38	1	39
179	Town of Winthrop	2,176	-0-	-0-	596	17	613
185	Portland Housing Auth.	3,846	-0-	-0-	1,053	29	1,082
195	Town of Waldoboro	985	-0-	-0-	270	8	278
198	SAD # 51	1,629	-0-	-0-	446	12	458
205	Gould Academy	537	2,016	375.4%	147	4	151
215	Town of Hodgdon	391	-0-	-0-	107	3	110
216	Town of Cumberland	1,580	-0-	-0-	433	12	445



MAINE STATE RETIREMENT SYSTEM  
POLICY # 2200  
BASIC & DEPENDENT  
7/1/80 to 7/1/81

PD #	DISTRICT	PAID PREMIUM	PAID CLAIMS PLUS CONVERSIONS	L/R	DIVIDEND	INTEREST	DIVIDEND PLUS INTEREST
219	Lincoln Sanitary Dist.	\$ 121	\$ -0-	-0-	\$ 33	\$ 1	\$ 34
220	Kennebec Sanitary Dist.	1,448	-0-	-0-	396	11	407
222	Waterville Sewerage	1,149	-0-	-0-	315	9	324
224	Region #7	328	6,029	183.8%	90	3	93
227	Town of Mars Hill	348	-0-	-0-	95	3	98
228	Town of Lubec	160	-0-	-0-	44	1	45
229	Van Buren Housing	692	-0-	-0-	189	5	194
238	Milo Water Dist.	814	754	92.6%	223	6	229
245	Town of Limestone	964	-0-	-0-	264	7	271
247	Rumford-Mexico Sew.	202	-0-	-0-	55	2	57
260	Town of Fairfield	3,662	-0-	-0-	1,003	28	1,031
717	Town of Wiscasset	3,011	-0-	-0-	824	23	847
718	Town of Ashland	52	-0-	-0-	14	0	14
721	Town of Anson	773	-0-	-0-	212	6	218
727	Hallowell Water Dist.	607	-0-	-0-	166	5	171
734	Presque Isle Water Dist.	1,627	-0-	-0-	445	12	457
736	Town of West Paris	393	-0-	-0-	108	3	111
739	SAD #1	3,693	5,103	138.2%	1,011	28	1,039
742	Bruns. & Topsham Wat	1,246	3,026	323.3%	341	10	351
744	Anson Water Dist.	270	-0-	-0-	74	2	76
746	SAD # 7	607	-0-	-0-	166	5	171
748	SAD # 36	741	-0-	-0-	203	6	209
750	Me. ST. Empl. Assoc	1,232	-0-	-0-	337	9	346
751	SAD # 40	357	-0-	-0-	98	3	101
753	SAD # 50	1,504	-0-	-0-	412	11	423
755	Pres. Isle Sewer Dist.	439	-0-	-0-	120	3	123
757	Waldoboro Sewer Dist.	16	-0-	-0-	4	0	4
758	SAD # 68	1,297	-0-	-0-	355	10	365
760	SAD # 74	1,798	-0-	-0-	492	14	506
761	SAD # 52	103	-0-	-0-	28	1	29
763	Town of Castine	696	-0-	-0-	191	5	196
764	Reg. 8 Co-Op Board	96	-0-	-0-	26	1	27

TOTAL		423,891	253,851	59.7%	116,051	3,244	119,295
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MAINE STATE RETIREMENT SYSTEM  
POLICY # 2200  
SUPPLEMENTAL ONLY  
7/1/80 to 7/1/81

PD#	DISTRICT	PAID PREMIUM	PAID CLAIMS PLUS CONVERSIONS	L/R	DIVIDEND	INTEREST	DIVIDEND PLUS INTEREST
05	Cumberland County	7,230	-0-	-0-	4,865	145	5,010
12	Kittery Water	629	-0-	-0-	423	13	436
26	Houlton Water	3,236	-0-	-0-	2,177	65	2,242
49	Me. Turnpike Auth.	34,762	13,100	37.7%	23,391	697	24,088
85	Cape Elizabeth	3,395	-0-	-0-	2,284	68	2,352
86	Wilton	545	-0-	-0-	367	11	378
93	Me. Munic. Bond Bank	186	-0-	-0-	125	4	129
94	Gr. Portl. Council	611	-0-	-0-	411	12	423
96	Sagadahoc County	2,704	-0-	-0-	1,820	54	1,874
105	St. Principals Assoc.	485	-0-	-0-	326	10	336
109	Livermore Falls	89	-0-	-0-	60	2	62
121	City of Pascataquis	1,547	-0-	-0-	1,041	31	1,072
130	Town of Bucksport	4,424	-0-	-0-	2,977	89	3,066
131	Ft. Fairfield Utilities	966	-0-	-0-	650	19	669
152	Sanford Housing	446	-0-	-0-	300	9	309
164	Town of Thomaston	1,261	6,035	478.6%	849	25	874
169	Me. Housing Auth.	112	-0-	-0-	75	2	77
195	Town of Waldoboro	847	-0-	-0-	570	17	587
205	Gould Academy	287	-0-	-0-	193	6	199
216	Town of Cumberland	1,199	-0-	-0-	870	24	831
219	Lincoln Sanitary	128	-0-	-0-	86	3	89
220	Kennebec Sanitary	289	-0-	-0-	194	6	200
222	Waterville Sewerage	987	-0-	-0-	664	20	684
224	Region #7	131	-0-	-0-	88	3	91
227	Town of Mars Hill	145	-0-	-0-	98	3	101
717	Town of Wiscasset	2,114	-0-	-0-	1,422	42	1,464
721	Town of Anson	510	-0-	-0-	343	10	353
727	Hallowell Water Dist.	477	-0-	-0-	321	10	331
744	Anson Water Dist.	264	-0-	-0-	178	5	183
750	Me. St. Empl. Assoc.	1,101	-0-	-0-	741	22	763
751	SAD # 40	84	-0-	-0-	57	2	59



MAINE STATE RETIREMENT SYSTEM  
 SUPPLEMENTAL ONLY  
 7/1/80 to 7/1/81  
 CONTINUED

<u>PD#</u>	<u>DISTRICT</u>	<u>PAID PREMIUM</u>	<u>PAID CLAIMS PLUS CONVERSIONS</u>	<u>L/R</u>	<u>DIVIDEND</u>	<u>INTEREST</u>	<u>DIVIDEND PLUS INTEREST</u>
757	Waldoboro Sewerage	9	-0-	-0-	6	-	6
760	SAD # 74	157	-0-	-0-	106	3	109
764	REG. #8 Co-Op	92	-0-	-0-	62	2	64
247	Rumford Sewerage	73	-0-	-0-	49	1	50
TOTAL		71,522	19,135	26.8%	48,136	1,435	49,561

