LOUISIANA STATE EMPLOYEES'
RETIREMENT SYSTEM
JUNE 30, 1998
ACTUARIAL VALUATION

Charles G. Hall F.C.A., M.A.A.A., A.S.A. Enrolled Actuary

1433 Hideaway Court Baton Rouge, LA. 70806 (504) 924-6209

September 11, 1998

Board of Trustees
LOUISIANA STATE EMPLOYEES'
RETIREMENT SYSTEM
Post Office Box 44213
Baton Rouge, Louisiana 70804-4213

Ladies and Gentlemen:

This report presents the results of the actuarial valuation of assets and liabilities, as well as funding requirements, for the Louisiana State Employees' Retirement System as of June 30, 1998.

This report has been prepared in accordance with generally accepted actuarial principles and practices and to the best of my knowledge, fairly reflects the actuarial present value of accrued benefits of the Louisiana State Employees' Retirement System.

In preparing this valuation, I have relied upon the information provided regarding plan provisions, plan membership, plan assets and other matters as detailed in the exhibits of this report. In particular, I have relied upon the statement of assets as audited by Postlethwaite & Netterville, Certified Public Accountants.

The present values shown herein have been calculated on the basis of the actuarial cost methods as specified in Louisiana Revised Statutes Title 11 Section 22(6). The Actuarial Assumptions, which have been approved by the Board of Trustees, are appropriate for the purposes of this valuation, are reasonable in the aggregate, and when applied in combination represents my best estimates of the anticipated experience under the plan.

A brief summary of the more important figures developed in this valuation, with comparable results from previous valuations are as follows:

			Prio	Years
		June 30, 1998	June 30, 1997	June 30, 1996
I.	Membership Census			
	1) Retirees	29,420	28,796	28,030
	2) Actives	69,949	69,444	69,680
	3) DROP	2,766	2,562	2,320
II.	Annual Benefits	\$ 351,847,577	\$ 324,926,306	\$ 306,403,091
III.	Total Payroll	1,653,863,410	1,607,371,721	1,584,357,131
IV.	Valuation Assets	4,972,079,610	4,453,189,233	4,040,840,039
v.	Experience Account	255,079,268	212,947,917	84,818,098
VI.	Investment Yield			
	Realized Income	10.60%	12.34%	8.91%
	Actuarial Value	12.97%	14.03%	12.34%
VII.	Cost to Fund Annual Pension Accruals (Normal Costs)	232,806,045 14.08%	220,968,688 13.75%	214,737,815
	·	23.000	13./5%	13.55%
VIII.	Unfunded Actuarial Accrued Liability	1,981,016,859	2,036,171,904	2,213,565,224
IX.	Funded Percentage	71.5%	68.6%	64.6%
х.	Funding Requirements to Pay (Mid-year Payment)			
	1) Employee Contribution Rate	129,012,943 7.677%	125,292,071 7.670%	121,406,118 7.663%
	2) Employer Contribution Rate - Current Year	208,203,728 12.4%	205,934,238 12.6%	205,875,608 12.8%
	3) Projected Employer Contribution - Next Year	216,917,918 12.3%	212,705,471 12.4%	219,357,113 13.0%

The above funding requirements measure the cost of benefits that were in effect on June 30, 1998, plus Acts of the 1998 Legislative Session which have prospective effects on current active members.

Current Funding

The Actuarial Valuation for the plan year ending June 30, 1998 discloses a general decrease in the value of the plan's unfunded accrued liability as well as prospective funding requirements. It is generally appropriate for the current valuation process to disclose the source or cause of any significant changes in the plan from year to year. Changes that occur are usually the result of changes in actuarial assumptions, gains or losses resulting from actual experience which differs significantly from expected plan experience.

The basic elements of the annual required contribution are the normal cost and amortization of the Unfunded Actuarial Liability (UAL). The normal cost is the annual cost to provide an additional year of benefit accrual. The normal cost is divided into two parts, the employee portion and the employer portion, both expressed as a percentage of payroll. Act 81 of the 1988 Legislative Session provides for the amortization of the initial UAL, plus subsequent changes in benefits, methods or gain/loss experience.

To assist the Board of Trustees in reconciling changes in the unfunded actuarial accrued liability, the following gain/loss analysis is presented as follows:

CHANGE IN UNFUNDED LIABILITY

Unfunded Liability 6/30/97		\$ 2,036,171,904
INCREASES		
Interest on Unfunded Liability	\$ 167,984,182	
Experience Account Allocation	104,560,398	
Experience Loss	12,342,815	
Incurred Increases	284,887,395	
PROPERTY.		
DECREASES Investment Gains		
investment Gains	209,120,795	
Employer Amtz. Payment	120,011,718	
Employer Credit	10,909,927	
Incurred Decreases	340,042,440	
Unfunded Liability 6/30/98		\$ 1,981,016,859

The employer contribution rate established by the Public Retirement Systems' Actuarial Committee for the 1998-1999 plan year was 12.4%. The actual employer contribution rates determined by this valuation for the current plan year is 12.4%. The current adjusted rate is equal to the required employer's contributions when compared to the projected rates. Since the contribution rate is attributable to many factors, the following sections address the source and respective impact to the required employer contribution rate.

Actuarial Assets/Valuation Assets

The Actuarial Value of assets represents the gross actuarial assets determined in accordance with the methodology set forth in Exhibit 6 to fund all liabilities of the pension plan as well as side-fund accounts dedicated for other programs. This year, the Market Value of Real Estate and Real Estate shares has been included with the Market Value of Equities in the Asset Valuation Method without adjustment for prior years. The Valuation Assets exclude the side-fund accounts for purposes of determining the employer contribution rate as illustrated on page 5 of Exhibit 2. The side-fund accounts excluded are as follows:

- Texaco Settlement Fund: The purpose of this fund is to accumulate Texaco settlement contributions as a separate account invested at LASERS' actuarial rate of return. Once the accumulated value of the account equals the outstanding balance of the initial unfunded actuarial liability, the account and initial liability will be liquidated. The current account balance is \$95,715,679.
- Experience Account Fund: The purpose of this fund is to accumulate 50% of the excess investment gain or loss relative to the actuarial valuation rate of 8.25%. The account can be used to fund ancillary benefits for members such as retiree COLA's. The benefit granted must be funded at 100% of actuarial cost. The actuarial cost of benefits granted is deducted from the fund and transferred to Valuation Assets. The current balance is \$255,079,268.

Investment Experience

The investment yield on the actuarial value of assets during the last five (5) years has been as follows for plan years ending June 30:

<u>1994</u>	<u>1995</u>	<u>1996</u>	<u> 1997</u>	1998	5 Yr. Aver.
8.88%	9.49%	12.34%	14.03%	12.97%	11.52%

The net actuarial rate of return assumed in the valuation was 8.25%. For the plan year ending June 30, 1998, the net realized actuarial rate of return was greater than the long-term investment assumption used to project benefits. The result was a net investment experience gain of \$209,120,795 above projected investment income.

Plan Experience

The actuary is charged with making the best estimate of future plan experience to properly fund future benefits. If the actual experience differs from the projected plan experience, a gain or loss occurs. This gain or loss is then amortized over the later of the year 2029 or a fifteen year period to make a mid-course adjustment in future funding requirements. During the 1997-1998 plan year, the system incurred a \$12,342,815 experience loss from sources other than investments.

Funding as a Percentage of Payroll

The funding requirements mandated by Act 81 require the employee to contribute 7.5% of payroll for the plan year beginning in 1989. The employer will pay a percentage of the normal cost plus a dollar amount sufficient to amortize the unfunded liability over a 40 year period. However, in no event can the employer contribution rate drop below 12% without regard to employer credits without a corresponding adjustment to the employee contribution rate. To convert the dollar amortization payment to a percentage of payroll would suggest that the aggregate employer contribution rate would remain level as a percentage of pay provided aggregate salaries increase in unison with the rate of increase in annuity payments. This would imply that aggregate salaries should increase at a rate of at least 4.5% during the next thirty-one (31) years. To determine whether this is a reasonable expectation, aggregate salary growth during the past eight (8) years is illustrated as follows:

June 30	Payroll/\$1000	Percent Increase
1991	1,368,480	11.6%
1992	1,454,370	6.3%
1993	1,504,147	6.2%
1994	1,546,465	5.7%
1995	1,547,977	0.1%
1996	1,584,357	2.4%
1997	1,607,371	1.5%
1998	1,653,863	2.9%

During the last seven (7) years the aggregate salaries have increased at an annualized rate of 2.7%. If this trend continues, the percentage of pay required to amortize the unfunded liability can be expected to slightly increase in the absence of other experience gains or losses.

Comments and Disclosures

Exhibit 3, "Pension Accounting and Financial Disclosure", contains disclosure of the accrued liabilities under the Entry Age Normal Actuarial Cost Method required by the Governmental Accounting Standards Board Statement No. 25. Pension Benefit Obligation financial disclosure continues to be reported in Exhibit 7, Legislative Auditor's Report.

Finally, the actuarial disclosure form required by the Actuarial Department of the Legislative Auditor's office (see Exhibit 7) makes specific provisions for the determination of whether or not a retirement system is systematically approaching the targeted funding ratio. This is an important consideration for both retired members and members of the Board of Trustees. The Board is specifically prohibited from granting a cost-of-living raise in the absence of the Experience Account Fund to retirees and survivors by Act 256 of the 1986 regular legislative session unless the system has met the Funding Target.

For the plan year ending June 30, 1998 the funding target is .74177, which is greater than the current .71509 funding ratio. Therefore, the Board is prohibited from granting a cost-of-living increase by statute. However, there are sufficient assets in the Experience Account for the Board of Trustees to consider a COLA for current retirees.

The format of this report was designed with the intent of highlighting the pertinent results of the valuation's funding requirements. Should you have any questions or comments, please do not hesitate to contact me.

Sincerely,

Charles G. Dan

Charles G. Hall, FCA, MAAA, ASA

Actuary

CGH/tt

Enclosure

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EXHIBIT 1

DEVELOPMENT OF

COSTS, LIABILITIES AND CONTRIBUTIONS

Normal Costs and Accrued Liabilities are calculated in accordance with the Projected Unit Credit Cost Method, and the Actuarial Assumptions outlined in Exhibit 6 based on the Provisions of the Plan as summarized in Exhibit 5.

			June 30, 1998		Prior June 30	Year , 1997
			Dollar Amount	% of <u>Salary</u>	Dollar <u>Amount</u>	% of Salary
I.	Norm	aal Costs				
	(to	fund annual pension accruals)				
	Acti	ve Members with Complete Data				
	a)	Retirement Benefits	\$ 178,588,791	10.80%	\$ 169,719,582	10.56%
	b)	Disability Benefits	8,512,778	.51%	8,277,455	.51%
		Survivor Benefits	9,877,943	.60%	9,594,561	.60%
		Voluntary Termination	29,126,533	1.76%	28,877,090	1.80%
	e) :	Expenses	6,700,000	41%	4,500,000	.28%
		TOTAL	232,806,045	14.08%	220,968,688	13.75%
II.	a) 1	arial Accrued Liability Active Members 1) Retirement Benefits 2) Disability Benefits	2,778,473,813 114,682,942		2,610,787,539 111,293,779	
	3	3) Survivor Benefits	109,220,773		105,958,893	
	4	1) Voluntary Termination	188,297,459		188,088,156	
			3,190,674,987		3,016,128,367	
	b) F	Retired and Inactive Members				
) Regular Retirees	2,512,698,275		2,336,003,925	
		2) Disabled Retirees	85,442,531		81,989,907	
		3) Survivors	331,175,383		304,265,655	
) Vested Deferred	45,400,235		38,225,529	
) Contributions Refunded	17,780,958		15,661,545	
		DROP Deferral	575,046,101		531,834,866	
	7) DROP Deposits	110,873,566		86,171,651	
			3,678,417,049		3,394,153,078	
•	c) S	UB TOTAL	6,869,092,036		6,410,281,445	

Exhibit 1 (Continued) Costs, Liabilities & Contributions

		Prior Year
	June 30, 1998	June 30, 1997
II. Actuarial Accrued Liability		
c) SUB TOTAL (Preceding page)	\$ 6,869,092,036	\$ 6,410,281,445
d) Adjustments to Regular Plan		
 Active Judges 	77,246,820	73 207 000
2) Active Legislators	6,757,613	73,287,898
Adjusted TOTAL	6,953,096,469	<u>5,791,794</u> 6,489,361,137
III. Valuation Assets	4,972,079,610	•
THE WAS A SECOND	1,112,113,010	4,453,189,233
IV. Unfunded Actuarial Accrued		
Liabilities - Projected Unit Credit*	1,981,016,859	2,036,171,904
a) Change over prior year	(55,155,045)	(177,393,320)
b) Funded Percentage	71.5%	68.6%
V. Employer Contributions To Fund Current Plan Year*		
a) Employer Portion of Normal Cost	100,736,399	94,699,978
b) Amortization Payments	110,007,832	110,425,607
c) Prior Contribution Variance	(2,540,503)	808,653
TOTAL Required Contribution	208,203,728	205,934,238
	12.4%	12.6%
Plus State Appropriation	4,298,757	4,113,643
Actuarial Forecast Rate**	12.4%	13.0%
VI. Projected Employer Contributions To Fund Next Plan Year*		
a) Employer Portion of Normal Cost	105,519,723	99,241,989
b) Amortization Payments	114,571,121	115,007,696
c) Prior Contribution Variance	(3,172,926)	(1,544,214)
TOTAL Projected Contribution	216,917,918	212,705,471
	12.3%	12.4%
Plus State Appropriation	4,492,201	4,298,757
II. Current Payroll	1,653,863,410	1,607,371,721
Projected Payroll - Mid Year Projected Payroll - Next Year	1,680,512,484	1,633,534,173

^{*}Dollar Amounts reflect estimated payments due mid-year on January 1st per Act 81.

^{**}Constitutional Minimum is 12% without regards to Employer Credits.

EXHIBIT 2

FINANCIAL SUMMARY STATEMENT OF REVENUES AND EXPENSES FOR FISCAL YEAR ENDING

			Prior Years	
		June 30, 1998	<u>June 30, 1997</u>	June 30, 1996
OP	ERATING REVENUES:			
1.	Contribution Income			
	Member	\$ 129,724,456	\$ 126,793,791	\$ 126,073,816
	Employer	219,680,934	204,985,747	197,456,874
2.	Other Income			
	Legislative Appropriations	4,113,643	3,936,500	3,766,986
	Miscellaneous	6,039,951	4,963,350	21,926,336
	Texaco Settlement	0	0	13,817,580
	TOTAL CONTRIBUTIONS	359,558,984	340,679,388	363,041,592
з.	Investment Income			
	Realized Income	481,932,100	500,838,741	341,738,080
	Less, investment expenses	17,162,772	<u>-15,143,892</u>	<u>-13,318,452</u>
	TOTAL INVESTMENT INCOME	464,769,328	485,694,849	328,419,628
4.	Total Revenues	824,328,312	826,374,237	691,461,220
OPE	RATING EXPENSES:			
1.	General Administration	6,703,504	4,531,466	4,390,986
	Other Expenses	2,501,942	2,242,442	2,277,969
2.	Benefits Paid			
	a) Pension Benefits	359,625,826	340,052,578	317,340,115
	b) Return of Contrib.	32,156,373	28,945,409	27,222,153
	TOTAL BENEFITS PAID	391,782,199	368,997,987	344,562,268
3.	Total Operating Expenses	400,987,645	375,771,895	351,231,223
NET	INCOME:	423,340,667	450,602,342	340,229,997

EXHIBIT 2 (Continued) Financial Summary

FINANCIAL SUMMARY STATEMENT OF ASSETS FOR FISCAL YEAR ENDING

		June 30, 1998	Prior June 30, 1997	Years June 30, 1996
<u>As</u>	<u>sets</u> :			
1.	Short Term Assets			
	Cash/Cash Equivalencies	\$ 25,337,788	\$ 23,396,887	\$ 42,787,002
	Short-term Investments	50,976,160	88,958,503	175,159,847
2.	Bonds (at amortized cost)			
	Bonds - Government/Agency	512,637,512	515,580,316	527,617,738
	Bonds - Municipal/Other	53,328,971	45,695,727	36,706,079
	U.S. Government Obligations	239,462,226	376,428,049	452,065,736
	Corporate Foreign Issues	1,120,923,483	1,166,956,965	997,034,563
3.	Equities			
	Common Stock	1,895,864,116	1,197,413,638	001 512 676
	Foreign Stock	731,583,847	632,526,281	921,513,676
	Preferred Stock	3,891,446	-	516,319,282 -
4.	Other Assets			
	Fixed Assets	9,807,478	8 120 205	6 064 604
	Mortgages - Real Estate	131,464,339	8,120,205 134,573,851	6,064,694 123,048,222
5.	Receivables - Payables	51,950,308	214,236,585	154,967,825
	TOTAL ASSETS			
	Equities at Cost	4,827,227,674	4,403,887,007	3,953,284,665
	Equities at Market	5,568,262,649	5,041,143,224	4,350,524,222
	Market Value	5,608,533,887	5,044,261,699	4,346,883,205
RAT:	IO: ASSETS/EXPENSES:	12.03	11.75	11.26
INVI	ESTMENT YIELD:			
	Realized Income	10.60%	12.34%	9.09%
	Yield to Actuarial Value	12.97%	14.03%	12.34%
	Five Year Actuarial Value	11.52%	10.85%	10.14%
	Yield to Market Value	12.06%	16.92%	14.40%
	DROP Account Yield	12.47%	13.53%	11.84%

EXHIBIT 2 (Continued) Financial Summary

FINANCIAL SUMMARY STATEMENT OF ASSETS FOR FISCAL YEAR ENDING

Change in Unrealized (G/L) Plan Year - 2 (wt. 1/4) Plan Year - 2 (wt. 1/4) Plan Year - 2 (wt. 1/4) Plan Year - 1 (wt. 2/4) Plan Year - 1 (wt. 2/4) Plan Year - 1 (wt. 2/4) Plan Year - 1 (wt. 3/4) Plan Year Ending Balance Prior Year Ending	A	CTUARIAL VALUE OF ASSETS:	June 30, 1998	June 30, 1997 June 30, 1996
Plan Year - 2 (wt. 1/4) 190,182,775 60,698,290 (86,862,921) Plan Year - 1 (wt. 2/4) 240,016,660 190,182,775 60,698,290 Plan Year (wt. 3/4) 103,778,758 240,016,660 190,182,775 Actuarial Value of Assets 5,322,874,557 4,750,864,769 4,199,278,726 TEXACO SETTLEMENT FUND: Prior Year Ending Balance 84,727,619 73,620,589 53,234,368 + Current Year Allocation 0 682,619* 13,817,580 + Accumulated Interest 10,988,060 10,424,411 6,558,641 Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS : Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098		TOTAL ASSETS	\$ 5,568,262,649	\$ 5,041,143,224 \$ 4,350,524,222
Plan Year - 2 (wt. 1/4) 190,182,775 60,698,290 (86,862,921) Plan Year - 1 (wt. 2/4) 240,016,660 190,182,775 60,698,290 Plan Year (wt. 3/4) 103,778,758 240,016,660 190,182,775 Actuarial Value of Assets 5,322,874,557 4,750,864,769 4,199,278,726 TEXACO SETTLEMENT FUND: Prior Year Ending Balance 84,727,619 73,620,589 53,234,368 + Current Year Allocation 0 682,619* 13,817,580 + Accumulated Interest 10,988,060 10,424,411 6,558,641 Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS : Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098		Change in Unrealized (G/L)		
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Actuarial Value of Assets 5,322,874,557 4,750,864,769 4,199,278,726 TEXACO SETTLEMENT FUND: Prior Year Ending Balance 84,727,619 73,620,589 53,234,368 Current Year Allocation 0 682,619* 13,817,580 10,424,411 6,568,641		Plan Year - 1 (wt. 2/4)	240,016,660	190,182,775 60,698,290
### TEXACO SETTLEMENT FUND: Prior Year Ending Balance		Plan Year (wt. 3/4)	103,778,758	240,016,660 190,182,775
Prior Year Ending Balance 84,727,619 73,620,589 53,234,368 + Current Year Allocation 0 682,619* 13,817,580 + Accumulated Interest 10,988,060 10,424,411 6,568,641 Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098		Actuarial Value of Assets	5,322,874,557	4,750,864,769 4,199,278,726
+ Current Year Allocation 0 682,619* 13,817,580 + Accumulated Interest 10,988,060 10,424,411 6,568,641 Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098	TE	EXACO SETTLEMENT FUND:		
+ Current Year Allocation 0 682,619* 13,817,580 + Accumulated Interest 10,988,060 10,424,411 6,568,641 Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098		Prior Year Ending Balance	94 707 610	
+ Accumulated Interest 10,988,060 10,424,411 6,568,641 Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 116,230,215 73,840,631 90,045,598 0 58,417,207 12,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098	+	Current Year Allocation		
Fund Balance - Year End 95,715,679 84,727,619 73,620,589 EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 16,230,215 73,840,631 90,045,598 0 58,417,207 16,230,215 73,840,631 73,840,631 73,840,6	+			
EXPERIENCE ACCOUNT FUND: Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS : Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098				
Prior Year Ending Balance 212,947,917 84,818,098 61,772,504 + Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098	-		1,120,000	73,620,589
+ Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098	EX	PERIENCE ACCOUNT FUND:		
+ Experience Account Allocation 104,560,398 116,230,215 73,840,631 - Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098		Prior Year Ending Balance	212.947.917	94 919 000
- Benefit Disbursements 90,045,598 0 58,417,207 + Accumulated Interest 27,079,268 11,899,604 7,622,170 Fund Balance - Year End 255,079,268 212,947,917 84,818,098 DEVELOPMENT OF ACTUARIAL VALUATION ASSETS: Total Actuarial Value 5,322,874,557 4,750,864,769 4,199,278,726 of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098	+	Experience Account Allocation	· ·	
# Accumulated Interest		Benefit Disbursements		· · · · · · · · · · · · · · · · · · ·
### DEVELOPMENT OF ACTUARIAL VALUATION ASSETS	+			
VALUATION ASSETS : Total Actuarial Value of Assets Adjusted for: 5,322,874,557 4,750,864,769 4,199,278,726 Texaco Settlement Fund Experience Account Fund Valuation Assets -95,715,679 -84,727,619 -73,620,589 Valuation Assets -255,079,268 -212,947,917 -84,818,098		Fund Balance - Year End		
of Assets Adjusted for: Texaco Settlement Fund -95,715,679 -84,727,619 -73,620,589 Experience Account Fund -255,079,268 -212,947,917 -84,818,098				
Experience Account Fund		of Assets Adjusted for:	5,322,874,557	4,750,864,769 4,199,278,726
Experience Account Fund -255,079,268 -212,947,917 -84,818,098			-95,715,679	-84,727,619 -73 620 500
Valuation Assets		Experience Account Fund		• •
		valuation Assets		4,453,189,233 4,040,840,039

^{*}The June 30, 1994 initial allocation was under-reported by \$555,012. The current allocation for June 30, 1997 is the under-reported amount plus interest accumulated to June 30, 1996.

EXHIBIT 3

PENSION ACCOUNTING AND FINANCIAL DISCLOSURE

The Governmental Accounting Standards Board (GASB) was established as an arm of the Financial Accounting Foundation in April, 1984 by amendment to the Foundation's certificate of incorporation and by-laws. GASB's objective is to promulgate standards of financial accounting and reporting relative to the activities and transactions of state and local governmental entities. The following disclosures and statistical tables are in accordance with the GASB's Statement No. 25.

SCHEDULE OF FUNDING PROGRESS

(Dollar amounts in thousands)

Actuarial Valuation Date	Actuarial Value of Assets ¹ (a)	Actuarial Accrued Liability(AAL) (b)	Unfunded AAL (UAAL) ¹ (b-a)	Funded Ratio (a/b)	Covered Payroll	UAAL as a Percentage of Payroll ((b-a)/c)
1989	2,179,402	4,021,933	1,848,531	54.0	1 141 000	440 -
1990	2,321,259	4,210,107	1,888,848		1,141,080	162.0
1991	2,516,742	4,499,312		55.1	1,226,065	154.1
1992	• •	•	1,982,570	55.9	1,368,480	144.9
_	2,802,667	4,884,509	2,081,842	57.4	1,454,371	143.1
1993	3,044,727	5,123,410	2,078,683	59.4	1,504,147	138.2
1994	3,347,602	5,403,394	2,055,792	61.9	1,546,465	132.9
1995	3,665,863	5,696,909	2,031,046	64.3		
1996	4,114,461	· · · · · · · · · · · · · · · · · · ·	· · · · · · ·		1,547,977	131.2
	•	6,254,405	2,139,944	65.8	1,584,357	135.1
1997	4,537,917	6,489,361	1,951,444	69.9	1,607,371	121.5
1998	5,067,795	6,953,096	1,885,301	72.9	1,653,863	114.0

The total actuarial accrued liability determined using the Projected Unit Credit cost method increased by \$463,735,332 from June 30, 1997 to June 30, 1998. There were no changes in benefit provisions during the year. There was a net experience gain of \$92,217,582 after allocating \$104,560,398 of excess investment income to the Experience Account in accordance with Act 1031. A COLA was granted to retirees on July 1, 1998 which reduced the Experience Account \$90,045,598.

¹UAAL differs from the UFAL for funding purposes. UFAL for funding purposes excludes Texaco Settlement Fund Assets which appears on page 5.

EXHIBIT 3 (Continued) Pension Accounting & Financial Disclosure

SUPPLEMENTARY INFORMATION

SCHEDULE OF EMPLOYER CONTRIBUTIONS

Fiscal Year	Actuarial Required Contribution	Percent Contributed	Annual Pension Cost (APC)	Actual Contribution	Percentage of APC Contributed	Net Pension Obligation*
1991	106,397,079	101.2	102,478,348	107 700 340		
1992	198,167,515	105.5	199,470,778	107,700,340	105.1	1,303,263
1993	183,507,210	98.5	•	208,989,801	104.8	-11,259,859
1994	189,566,536		186,235,605	180,708,603	97.0	- 6,438,324
1995	•	98.7	191,589,377	187,058,006	97.6	- 2,254,901
	196,931,081	103.5	198,321,499	203,773,245	102.7	- 8,113,103
1996	203,762,677	99.3	206,878,066	202,316,644	97.8	•
1997	212,221,189	98.4	214,971,990	208,924,646	97.3	- 4,036,582 1,922,284
1998	221,933,246	104.9	221,250,489	232,843,174	105.2	- 9,670,401

Analysis of the percentage contributed over a period of years will give a relative indication of the funding progress for the liabilities of the Louisiana State Employees' Retirement System.

The difference between the Actuarial Required Contribution and the APC is the amortization payment for the Net pension Obligation (see Exhibit A page 24).

DEVELOPMENT OF NET PENSION OBLIGATION

(1)	Actuarial Required Contribution	221,933,246
(2)	Interest on Net Pension Obligation	158,588
(3)	Amortization of Net Pension Obligation	841,345
(4)	Annual Pension Cost $(1)+(2)-(3)$	221,250,489
(5) (6) (7) (8)	Employer Contribution Increase (decrease) in Net Pension Obligation Net Pension Obligation Beginning of Year Net Pension Obligation End of Year (6)+(7)	232,843,174 -11,592,685 1,922,284 - 9,670,401

^{*}Actuarial Contributions, the Annual Pension Cost (APC), and the actual employer contribution made have been adjusted with interest at the valuation rate to the end of the fiscal year in accordance with GASB's Statement No. 27, paragraph 21.

EXHIBIT 3 (Continued) Pension Accounting & Financial Disclosure

STATISTICAL DATA

COMPARATIVE SUMMARY OF REVENUES BY SOURCE AND EXPENSES BY TYPE

Revenues by Source

Fiscal	Members	Employer	Investment	
<u>Year</u>	<u>Contribution</u>	Contribution*	Income	<u>Total</u>
1989	81,925,366	134,314,360	181,179,170	397,418,896
1990	92,339,927	99,536,184	206,633,219	398,509,330
1991	104,020,927	149,859,389	225,267,421	479,147,276
1992	110,481,391	214,125,413	273,259,377	598,259,377
1993	114,443,629	186,827,419	179,402,382	480,673,430
1994	118,255,907	227,669,691	238,487,231	584,412,829
1995	123,370,058	217,590,817	317,004,128	657,965,003
1996	126,073,816	236,967,776	328,419,628	691,461,220
1997	126,793,791	213,885,597	485,694,849	826,374,237
1998	129,724,456	229,834,528	464,769,328	824,328,312

Expenses by Type

Fiscal			Administrative	
<u>Year</u>	<u>Benefits</u>	Refunds	Expenses**	<u>Total</u>
1989	228,603,084	32,548,038	2,267,848	263,418,970
1990	234,066,890	26,880,996	2,577,670	263,525,556
1991	240,622,226	22,955,119	3,145,390	266,722,735
1992	250,765,789	23,820,931	3,494,170	278,080,890
1993	261,822,720	21,720,224	4,702,924	288,245,868
1994	275,503,281	23,955,748	5,724,497	305,183,526
1995	288,641,870	25,072,191	6,465,576	320,179,637
1996	317,340,115	27,222,153	6,668,955	351,231,223
1997	340,052,578	28,945,409	6,773,908	375,771,895
1998	359,625,826	32,156,373	9,205,446	400,987,645

 $[\]star$ Includes transfers and purchases not directly related to the annual employer contribution.

^{**}Includes other expenses incurred not directly related to the administration of daily operation.

EXHIBIT 4

CENSUS DATA

GENERAL COMMENTS

The data contained in this valuation is summarized on the following pages with exceptions noted below. The profile depicted in the cellular graphs represents "error-free data," which serves as the basis for determining costs and liabilities. Active members are allocated to cells based upon attained age and years of service. Retirees and Survivors are allocated to cells based upon attained age and years elapsed since retirement or commencement of benefits.

The validity of the results of any actuarial valuation is dependent upon the accuracy of the data base. Prior to processing, suspicious data and data containing errors were purged from the data base and processed separately based on the following error types:

-missing sex code

-missing or invalid date of birth

-missing or invalid date of employment

-missing or invalid salary

-invalid retirement dates.

There were numerous records purged from the data base containing errors or categorized as suspicious data which is not necessarily significant. These records had the basic characteristic of a terminated non-vested participant which have balances of \$50 or less in their accumulated employee contribution account. Suspicious data are not necessarily errors, but data which falls outside the parameters of the editing process for further checking. There were 23,451 records for terminated non-vested members due a refund.

Salary data contained in the profiles and valuation report exceed the amount reported by internal audit due to salary annualization. In the valuation process, membership data with fractional service in the first year of employment annualizes the salary.

The following is a summary by plan of the data submitted for valuation:

	1998	1997
	Census	Census
Active Members	69,949	69,444
Regular Retirees	22,314	21,839
Disability Retirees	1,110	1,119
Survivors	4,902	4,808
Vested & Reciprocals	1,094	1,030
Due Refunds	23,451	22,615
DROP Participants	2,766	2,562
TOTAL	125,586	123,417

STATE EMPLOYEES' SYSTEM ACTIVE REGULAR MEMBERS

CELLS DEPICT - MEMBER COUNT TOTAL SALARY

VALUATION DATE 6/30/1998

Age/Years :	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	(30-35)	(35-)	: Total
[0-19):	322	111	() () ;	0 () () 0		: 433
:	1468807	1209726	() () (0 () (0	-	: 2678533
:										:
[20 - 24) :	985	1174	5	; () (0	0	0	: 2164
:	6295372	16126721	74087	' () () 0	0	0	0	: 22496181
125 - 20) -	1/50	7007								:
[25 - 29) :				22				•	0	: 5856
	11402031	71831390	11468619	458304) 0	0	0	0	: 95243944
[30 - 34) :	1051	3/./5	1004	77.0	440					:
	8720020	5443 60207863	1900	/28 179015/2	119	, o		•		: 7359
	0,27020	07271003	40714042	17001302	2928847	U	0	0	0	:147672134
[35 - 39) :	1171	3166	1033	1662	2088	202	2	•	_	:
:	8752083	65955980	47525318	45408665	55470372	5467118	2 60015			: 10226
:				13400003	22410212	J407 1 18	00015	0	30992	:228670543
[40 - 44) :	753	2731	2085	1462	2721	1733	108	1	1	: : 11595
:			52405954	39456061	82090148	53117161	3155816	18864		: 294831838
:							2133010	10004	20103	:
[45 - 49) :	617	2087	1959	1250	1912	2228	1227	19	1	: 11300
:	5714281	45112488	50509955	34600375	56866417	76305079	41324538	560281		:311042995
:										:
[50 - 54) :	355	1308	1501	917	1316	1396	1141	86	3	: 8023
:	3307366	27431284	38145258	25223662	38831054	45645961	41050191	3004929		:222697234
:										:
[55 - 59):					839	754	147	103	12	: 4062
:	1246636	10627163	25197468	16633739	24312651	22814389	5016994	3704467		:109917696
:										:
[60 - 64) :			508			149			17	: 1376
:	289808	2934547	13138953	6374614	644 <i>7</i> 532	3917849	2566607	2308383	760641	: 38738934
: :	•									:
[65 - 69) :		35	110			55			10	: 402
:	20272	1077830	3024522	1987456	2611456	1573779	753848	448260	453512	: 11986935
: [70 - 74) :	L	10	40							:
		// 7547	712007	40	50	44	22	9	8	: 197
• • • • • • • • • • • • • • • • • • • •	21132	447303	312003	1062585	1361819	1124668	703046	266617	184004	: 5484057 :
Total :	6861	18476	11678	6984	9330	6561	2757	292	54	: 62993 :
Total :					70920297	200044007	0/431055	10711901	1020552	. 02773

AVERAGES: Attained Age 42.12
Service Years 10.05

Active Salary 23,677

STATE EMPLOYEES' SYSTEM ACTIVE LEGISLATORS

CELLS DEPICT - MEMBER COUNT TOTAL SALARY

VALUATION DATE 6/30/1998

:	Total	:)	[35-	[30-35)	(25-30)	[20-25)	[15-20)	[10-15)	[5-10)	[1-5)	(0-1)	Age/Years :
 :		:		• • • • •	0	0	0	0	0	0	0	0	[0 - 19):
		:			0	0	0	0	0	0	0	0	:
:	-	:	Ť			_							:
		:	0		0	0	0	0	0	0	0	0	[20 - 24):
:	0	:	0		0	0	0	0	0	0	0	0	:
:		:											:
:	2	:	0		0	0	0	0	0	0	2	0	[25 - 29) :
		:	0		0	0	0	0	0	0	68224	0	:
:		:											:
:	2	:	0		0	0	0	0	0	1	1	0	[30 - 34) :
:	65139	:	0		0	0	0	0	0	31733	33406	0	:
:		:							_			•	
	_	:	0		0	0	0	0	1	4	1	0	[35 - 39) :
		:	0		0	0	0	0	30072	122349	33196	0	:
		:				_				,	-	0	[40 - 44) :
	10				0	0	0	0	1	6 184994	3 94815	0	:
	335975	:	0		0	0	0	0	56166	104774	74012	U	•
	4.	:	•		•	0	0	1	1	4	0	1	[45 - 49) :
	16				0	0	0	30367	32804	126257	292562	19379	:
	501369	:	0		0	U	U	30307	32004	120231	ביביסב	()3/)	•
	19	:	0		0	0	3	3	4	4	5	0	[50 - 54) :
	619322				0	0	99759	97252	137186	127457	157668	0	:
		:	Ü		·	•	,,,,,,						:
	14		O		0	3	1	2	4	3	1	0	[55 - 59) :
	470041				0				128524	100327	32901	0	:
		:	•										:
	10	:	0		1	0	0	0	1	4	4	0	[60 - 64):
:	350110	:	0		59046	0	0	0	32840	129696	128528	0	:
:		:											:
:	3	:	0		0	1	0	1	0	1	0	0	[65 - 69) :
:	89803	:	0		0	24874	0	31927	0	33002	0	0	:
:		:											:
:	2	:	0		0	1	0	0	0	1		0	[70 - 74) :
:	61354	:	0		0	28829	0	0	0	32525	0	0	:
:	84	· · · :	0	• • • • • •		5	4	7	12	28	26	1	Total :
	2746954				59046		130025	243051	417592	888340	841300	19379	Total :

AVERAGES : Attained Age

50.56

Service Years 33.23

Active Salary 32,702

STATE EMPLOYEES' SYSTEM ACTIVE JUDGES

CELLS DEPICT - MEMBER COUNT TOTAL SALARY VALUATION DATE 6/30/1998

Total	:	[35-)	[30-35)	[25-30)	[20-25]	(15-20)	[10-13)	[5-10]	[1-5]	(0-1)	-/ 10015 .
0	:	0	0	0	0	0	0	0	0	0) - 19) :
0	:	0	0	0	0	0	0	0	0	0	:
	:										:
0	:	0	0	0	0	0	0	0	0	0) - 24) :
0	:	0	0	0	0	0	0	0	0	0	:
•	:	•	•	•	0	0	0	0	0	0	: i - 29) :
0		0	0	0	0	0	0	0	0	0	:
U	:	U	U	U	Ů	U	v	Ū	v		:
4	•	0	0	0	0	0	0	0	3	1) - 34) :
293955	-	0	0	0	0	0	0	0	272033		:
	:										:
24	:	0	0	0	0	0	0	4	19	1	- 39) :
2111375	:	0	0	0	0	0	0	341099	1716803	53473	:
	:										:
66	:	0	0	0	0	4	3	25	30		- 44):
5612430	:	0	0	0	0	325056	245719	2244361	2647773	149521	:
	:	_	_	_	_				•		:
84	-	_	0	0	2		16		26	1 8589	- 49) :
7239930		U	0	0	185040	601434	1326528	2861538	2256801	8289	:
70		0	0	0	6	24	12	17	10	1	· - 54) :
6213045			0	0	531555	2221384	1090937	1476029	846880		;
	:		·	·	23,222	LLL 1304	1070751	14,002)	040000	40200	•
42	:	0	0	0	8	9	6	10	9	0	- 59) :
3845808			0	0			486395	879865		0	•
	:										:
31		0	0	3	5	8	5	4	6	0	- 64):
2786449	:	0	0	288376	37 9 171	731935	461767	370080	555120	0	:
											:
10			0	3	1	1		1	0	0	- 69):
972403	:	0	0	319355	92520	92520	370080	97928	0	0	:
	:					-			_		:
2 226923			1 105587	0	0 0	0	0	0	0 0		- 74) : :
	•										·
		1	1		22		46		103	8	otal :
29302318	: 2	121336	105587	607731	1928618	4873457	3981426	8270900	9133498	279765	otal :

AVERAGES :

Attained Age 49.95

Service Years

9.47

Active Salary

STATE EMPLOYEES' SYSTEM ACTIVE WILDLIFE AGENTS

CELLS DEPICT - MEMBER COUNT TOTAL SALARY

VALUATION DATE 6/30/1998

ge/Years :	(0-1)	[1-5)	(5-10)	[10-15)	[15-20)	[20-25)	(25-30)	(30-35)	[35-)	: Tota
0 - 19) :	0	0		0		0	0	0	•••••	0	• • • • • • • • • • • • • • • • • • • •
:	0	0	0	0	0	0	0			-	:
:					Ť	•	·	J		Ü	:
20 - 24) :	3	1	0	0	0	0	0	0		0	<i>.</i>
:	26024	19470	0	0	0	0	0	0		-	: 4549
:						•	·			٠	:
25 - 29) :	8	21	12	0	0	0	0	0		n	: 4
:	36548	457209	310220	0	0	0	0	0			: 80397
:						·	•	·		٠	: 00377
0 - 34) :	0	9	21	3	1	0	0	0		n	: 3
:	0	191283	574927	88981	33376	0	0	0		0	
:								•		•	:
5 - 39) :	2	6	16	4	8	0	0	0		0	
:	6555	148689	454143	119715	271485	0	0	0		0	
:								•			:
0 - 44) :	0	2	3	4	12	5	0	0		0	
:	0	46124	64502	134293		187803	0	0		0	
:											:
5 - 49) :	0	0	2	5	12	6	0	0		0	
:	0	0	56487	164211	396776	218947	0	0		0	
:											:
0 - 54) :	0	0	1	5	7	2	1	0		0	
:	0	0	32128	159998	241481	85716	54340	0		0	
:											:
5 - 59) :	0	0	0	0	2	1	0	0		0	
:	0	0	0	0	62073	38027	0	0		0	_
:											:
) - 64) :	0	0	0	0	0	0	0	0		0 :	
:	0	0	0	0	0	0	0	0		0 :	: C
:											:
- 69) :	0	0	0	0	0	1	0	0		0 :	
:	0	0	0	0	0	32997	0	0		0 :	•
:											
- 74):	0	0	0	0	0	0	0	0		0 :	
:	0	0	0	0	0	0	0	0		0 :	-
otal :	13	39		21	42	15	1	0	• • • • • • •	 D :	186
otal :	69127	862775	1492407	667198	1411639		54340	0			5120976

AVERAGES :

Attained Age

37.89

Service Years

9.93

Active Salary

STATE EMPLOYEES' SYSTEM CORRECTIONS before 1986

CELLS DEPICT - MEMBER COUNT

TOTAL SALARY

VALUATION DATE 6/30/1998

Total	:	[35-)	[30-35)	[25-30)	(20-25)	[15-20)	[10-15)	[5-10)	(1-5)	(0-1)	ge/Years :
0	• • •			0	0	0	0	0	0	0	0 - 19) :
•	-	0	0	0	0	0	0	0	0	0	:
	:										:
	:	0	0	0	0	0	0	0	0	0	20 - 24) :
0	:	0	0	0	0	0	0	0	0	0	:
	:										:
0	:	0	0	0	0	0	0	0	0	0	25 - 29) :
0	:	0	0	0	0	0	0	0	0	0	:
	:										
59	:	0	0	0	0	10	49	0	0	0	30 - 34) :
1583889	:	0	0	0	0	290182	1293707	0	0	0	:
	:									_	:
243	:	0	0	0	2	144	97	0	0	0	35 - 39) :
6983752	:	0	0	0	77296	4178419	2728037	0	0	0	:
	:								•	^	: -0 - 44) :
261			0	3	24		79	0	0	0	•
7788119		0	0	99596	794665	4756107	2137752	0	0	0	:
		_		4=		477	50	•	0	0	5 - 49) :
248			0	17	35		59 1586554		0	0	:
7821142			0	846801	1421435	3700331	1200224	U	U	· ·	•
	:		1	14	13	103	5.4	0	0	0	0 - 54) :
185 5681623				611283	460870	3093444		0	0	0	:
2001023	:		41174	011203	400070	3073444	1414051	J	•	•	:
118			5	2	7	64	40	0	0	0	5 - 59) :
3446727			240270	79133		1847591	1084288	0	0	0	:
3440727	:		240270	, , , , ,	,,,,,,,						:
25			1	1	1	15	5	0	0	0	0 - 64) :
764189			32867	45620	25355	406663	142780	0	0	0	:
,5410,	:										:
		1	0	0	0	5	1	0	0	0	5 - 69) :
		69945	0	0		130426	25682	0	0	0	:
:											:
3 :	:	1	0	0	0	2	0	0	0	0	74):
121411 :			0	0	0	2 49036	0	0	0	0	:
1149 :	· · ·	4	7	37	82	635	384	0	0	0	otal :
		253224					10473651	n	0	0	otal :

AVERAGES :

Attained Age 45.78

Service Years

16.97

Active Salary

STATE EMPLOYEES' SYSTEM CORRECTIONS after 1986

CELLS DEPICT - MEMBER COUNT TOTAL SALARY

VALUATION DATE 6/30/1998

Total	:)	[35-	(30-35)	[25-30)	[20-25)	[15-20)	[10-15)	(5-10)	[1-5)	(0-1)	Age/Years :
153	• •		•••••	0			0	0		41	112	[0 - 19):
1084000				0		0	0	0	0	495231	588769	:
				U	Ū	· ·	•					:
643				0	0	0	0	0	17	343	283	[20 - 24) :
6939588				0	0	0	0	0			1650621	
				J		•	Ť					:
1084	:			0	0	0	0	3	202	570	309	[25 - 29) :
15626404				0	0	0	0		4051215	9430137	2071350	:
		U			·	•						:
891		Λ		0	0	0	0	69	304	341	177	[30 - 34) :
15403338				0	0	0	0	1612356	6906670	5729161	1155150	:
10403336				•	•							:
657 :				0	0	0	0	62	211	198	186	[35 - 39) :
10569918				0	0	0	0				1223960	
	:	Ŭ		•	Ţ							:
469 :		n		0	0	0	0	59	179	150	81	[40 - 44) :
8945879 :				0	0	0	0	1414504	4023734	2927571	580070	:
	:	•		•								:
378 :		n		0	0	0	0	46	163	114	55	(45 - 49) :
7209916 :				0	0	0	0	1135987	3750824	1948314	374791	:
:				•								:
253 :				0	0	0	0	31	90	97	35	50 - 54) :
4798500 :				0	0	0	0	751493	2040926	1678629	327452	:
	:			-								:
134 :				0	0	0	0	13	70	36	15	55 - 59) :
2584837 :				0	0	0	0	309259	1519344	639175	117059	:
:	:											:
47 :				0	0	0	0	7	28	7	5	60 - 64) :
994615 :				0	0	0	0	166392	632405	132440	63378	:
:												:
9:				0	0	0	0	0				65 - 69) :
159744 :				0	0	0	0	0	114949	31387	13408	:
-	:											:
1:				0	0	0	0	0	0	1	0	70 - 74) :
15661 :				0	0	0	0	0	0	15661	0	:
4719 :	• • •	0	•••••	0	0	0	0					Total :
4332399 :				0	•	•	0	4079925	7028307	1250250 3	8166008 3	Total :

AVERAGES: Attained Age 34.62
Service Years 3.85
Active Salary 15,752

STATE EMPLOYEES' SYSTEM REGULAR RETIREES

CELLS DEPICT - MEMBER COUNT TOTAL BENEFITS

VALUATION DATE 6/30/1998

Age/Years	: 	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	(15-20)	[20-)	: Tota	il
[0 - 39)	:	3	2	. () () () 0	······································	· · · · · · · · · · · · · · · · · · ·	 D	:	
	:	37082	26874	() () 0	0	5777	,	0	: 697	
[40 - 44)	:	30	30	18	} 5	5 5	3	1	,) 0	:	
						73970	54174	18401			: : 10780	
	:									•		
[45 - 49)							18				: 2	
	:	750726	616676	805006	175596	148728	240093	27620	0	0	: 27644	
[50 - 54)	:	123	146	170	39	38	54	17	•		: 5	
		2407160	2841366			7521 <i>7</i> 3		198148	0	0	: 108756	
	:									·	:	
	:	199				138				0	: 160)3 :
	:	4097380	5374023	6218372	3854847	2897386	4106247	4241870	49701	0	: 308398	
[60 - 64) :	:	349	449	458	328	248	674	1208	7/	24	: 380	: 9:
:	:	4519100		6665824						155788	: 582221	
;	:										•	
(65 - 69) :	:	138	267	291	369	333	1292	1618		73		
:	:	1645210	4369850	4011613	4828324	4176113	15400162	23704509	4955043	732145		
: (70 - 74)	:	33	65	72	97	157	1112	1012	010	200	:	:
		580306	1259600	1310421	1862771	2181375	12419483	22784520	11799037	200 2441778	• 5663020	б :
:	:										:	
75 - 79) :			15		14					452		6:
:		69801	284505	319954	226332	433919	3718156	14281361	15831412	5607598		
80 - 84) :		1	1	3	6	1	16	252	950	828	:	
:		8660	8624			80387	228686	3320894		8260077		
:											:	:
85 - 89) :			0	0			2	13		877		
:		0	0	0	0	0	35823	264219	727417	7603141		
: : (99 - 00		0	0	0	0	0	0		,		:	_
:		0	0 0	0	0	0	0	1 36770	4 26731	381 3039136	: 380 : 310263	6 : 7 :
Total	•••	937	1274	1/57	• • • • • • • • •	958				• • • • • • • • •		
Total :										2832	: 22314	* :

AVERAGES: Attained Age 70.40 Years Retired 11.28

Annual Benefit 13,313

STATE EMPLOYEES' SYSTEM DISABILITY RETIREES

CELLS DEPICT - MEMBER COUNT TOTAL BENEFITS

VALUATION DATE 6/30/1998

			(2 0)	13 47	[4.2)	נט וטי	[10-15)	[13-20]	[20-]	: rotal
[0-39):	5	8	4	6	3	13	0	0	0	: 3
:	46230	63994	19181	38449	16039	77911	0	0	0	: 26180 :
[40 - 44) :	16	20	18	19	12	23	6	1	0	: 11
:	148817	187001	186706	179021	97870	140969	32228	4020		: 97663 :
[45 - 49) :	17	28	25	26	14	58	17	3	0	: 18
:	188179	326575	284400	282475	138630		139051	19397		: 187831
[50 - 54) :	29	41	33	39	34	106	54	12	2	: 35
:	295123	486365	384847	426594	330663	915426	467472	67750		: 338315
(55 - 59) :	20	42	47	38	33	119	73	30	7	: 40
:	227569	408409	452085	354164	295500	900629	579018	235871	46882	: 350012
(60 - 64) :	1	0	0	0	0	3	1	3	0	: 1
:	3863	0	0	0	0	52544	4934	23247		: 84588 :
(65 - 69) :	0	0	0	0	0	0	0	1	0	
:	0	0	0	0	0	0	0	21631	0	: 21631 :
(70 - 74) :	0	0	0	0	0	0	0	0	0	
:	0	0	0	0	0	0	0	0	0	: (
75 - 79) :	0	0	0	0	0	0	0	0	0	
:	0	0	0	0	0	0	0	0	0	: 0
80 - 84) :	0	0	0	0	0	0	0	0	0	: 0
:	0	0	0	0	0	0	0	0	0	: 0
85 - 89) :	0	0	0	0	0	0	0	0	0	: : 0
:	0	0	0	0	0	0	0	0	0	: 0
90 - 99) :	0	0	0	0	0	0	0	0	0	: : 0
:	0	0	0	0	0	0	0	0	0	•
Total :	88 909781	139 1472344	127 1327219	128 1280703	96	322	151	50 371916		: 1110

AVERAGES :

Attained Age

52.19

Years Retired

5.93

Annual Benefit 9,105

STATE EMPLOYEES' SYSTEM SURVIVOR BENEFITS

CELLS DEPICT - MEMBER COUNT TOTAL BENEFITS

VALUATION DATE 6/30/1998

Total) :	[20-	[15-20)	[10-15)	[5-10)	[4-5]	[3-4]	[2-3]	[1-2]	(0-1)	je/ieais .
61	3 :	• • • • • • • •	5	14	15	1	8	3	7	5	0 - 39) :
834706	606 :	2060	37441	136035	201479	16539	108508	58261	153382	102455	:
49	٠ .		3	10	14	3	2	8	4	1	. (44)
650280		2352	25632	115038	176852	36206			57633		:
on			9	26	23	8	6	7	7	3	: 5 - 49) :
1085995	660 :		66455				86202				:
240		1	25	58	65	21	14	17	14	14	· 0 - 54) :
3113976			242321	626446			220258	348112	266429		:
311	20 :	2	56	80	71	20	16	14	16	18	: 5 - 59) :
3788 027		10963	528077	901328	947000	314246	306230	239117	203191	239199	:
495		4	85	153	112	22	24	22	18	11	0 - 64):
5499066	85 :			1580280	1544882		316060	345255	226643	190145	:
677		11	172	219	102	21	16	15	11	7	· 5 - 69) :
6548930	39 : :	81603	1557320	2197483	1045341	255055	216519	197875	123811	139486	:
895		26	303	233	66	8	6	8	6	3	0 - 74) :
7771776			2517262		712008		55502	90386	71653	54585	:
		42	267	133	27	2	1	1	4	3	5 - 79) :
				1289855		27453	5480				:
649	57 :	45	145	38	5	0	1	1	0	2	· 0 - 84) :
4715584				411936		0		12799	0	21608	:
	55 :	355	27	4	1	0	0	0	0	0	5 - 89) :
	28 :			28350	6369	0	0	0	0	0	:
		182	5	2	0	0	0	0	0	0) - 99) :
				18052			0	0	0	0	:
										67	
44674611	13 :	12842513	9164175	9818245	6106926	1455207	1369356	1535268	1283275	1099646	otal :

AVERAGES :

Attained Age

71.80

Years Retired

17.09

Annual Benefit

STATE EMPLOYEES' SYSTEM TERM-VESTED/RECIPROCAL

CELLS DEPICT - MEMBER COUNT
TOTAL BENEFITS

VALUATION DATE 6/30/1998

al	Tota	:)	[20-	[15-20)	[10-15)	(5-10)	[4-5)	[3-4)	[2-3)	[1-2)	(0-1)	ars:	Age/Y
٠٠.	• • • • • • •	• • •	••••	• • • • • •				0	0	0	1	2	39) :	[0 -
3	11		0		0	0	0	0	0	0			:	_
			Ū		0	U	U	U	Ů	·			:	
		:	•		•	0	0	0	0	0	10	6	44) :	[40 -
		:	-		0	0	0	0	0	0	1993		:	
			0		U	U	·		·	•			:	
		:	0		0	1	0	0	0	2	9	5	49) :	[45 -
	1564				0	3349	0	0	0	4800	6933	562	:	
		:			•	3347	•	•	_				:	
			0		0	0	0	2	14	4	12	2	54) :	50 -
			0		0	0	0	32267	54092	7674	4921	209	:	
	,,,,	•	Ů		•	·	_						:	
	11	:	0		0	0	3	52	46	5	7	1	9):	55 -
			0		0	0	24717		285086	19027	2882	113	:	
		:			_								:	
			0		0	3	37	77	57	5	6	0	4):	60 -
	146725				0	17706	320027	698793	419790	6320	4620	0	:	
		:											:	
20	220	:	0		1	27	78	69	39	3	2	1	9):	65 - (
13	2147313	:	0 :		8292	281145	961843	589255	273262	32675	804	37	:	
													:	
28	228	:	0 ;		19	48	46	63	41	1	10	0	4):	70 - 1
88	2436938	:	0 :		238389	678602	519363	677954	315506	12	7112	0	:	
		:	:										:	
35	185	:	5 :		21	18	45	57	35	3	1	0		75 - 7
7 6	1839676	:	15 :	262	216418	232973	490150	589037	264608	19144	1131	0	:	
		:											:	
6	36	:	5 :		4	1	7	10	7	2	0	0	=	30 - 8
9	288259	:	21 :	2442	36806	10769	88691	77762	45768	4042	0	0	:	
		:	:									_	:	
6	16	:	2 :		4	2	2	3	2	1	0	0	·) :	85 - 8
	127746	:	16 :	2411	50893	23618	4831	17330	6376	582	0	0	:	
			:								_		:	
	40						3	3		0	1	0		0 - 9
9	255 <i>7</i> 59	:	23 :	7592	53436	86546	19379	19626	0	0	849	0	:	
 4	1094	•••	· · · · · · · · · · · · · · · · · · ·		60	107	221	336	241	26	59	17	:	Total
	9414077						2429001			94276		1321	:	Total

AVERAGES :

Attained Age

49.10

Service Years

18.48

Annual Benefit

STATE EMPLOYEES' SYSTEM DROP PARTICIPANTS

CELLS DEPICT - MEMBER COUNT TOTAL BENEFITS

VALUATION DATE 6/30/1998

Age/Years	: (0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	: Total	:
[0 - 39)	: 7	9		0		· · · · · · · · · · · · · · · · · · ·	0	· · · · · · · · · · · · · · · · · · ·	******		· · · · · · · · · · · · · · · · · · ·	
	: 99297	115175	0	0	0	0	0	-				
	:			•	•		v	U		U		
[40 - 44)	: 18	18	25	0	0	0	0	0		۸	: 6'	
	: 262008	263582	371105	0	0	0	0	0			: 896695	
	:			_	•	•	Ů	Ū				
[45 - 49)	: 56	42	43	0	0	0	0	0			: 141	
	: 1230274	862735	792222	0	0	0	0	0			: 2885231	
	:				_	•	·	•			:	
[50 - 54)	: 187	201	180	0	0	0	0	0			· 568	
	4717922	5020562	4236961	0	0	0	0	0			: 13975445	
	:					•	•	·				
[55 - 59)	264	217	325	0	0	0	0	0			: 806	
;	5949393	4754056	7653978	0	0	0	0	0			: 18357426	-
:	•				•	•	Ū	•	,		:	
[60 - 64) :	345	284	291	0	0	0	0	0			· : 920	
	4665521		4460384	0	0	0	0	0			· 13156817	
:				_	•	·		U	`		: 13136617	
[65 - 69) :	41	73	86	0	0	0	0	0			: 200	
:	682039	1130016	1329210	0	0	0	0	0			. 200 : 3141265	
:					-	•	·	·	`		. J14120J	
[70 - 74) :	11	17	21	0	0	0	0	0			: 49	
:	137292	236496	309044	0	0	0	0	0			682832	
:						•	·	•	·		: 002032	
[75 - 79) :	2	1	2	0	0	0	0	0			: 5	
:	32083	5694	24419	0	0	0	0	0				
:						•	•	·			. 02170	
[80 - 84) :	0	0	0	0	0	0	0	0	0			
:	0	0	0	0	0	0	0	0	-	:		
:				•	•	•	·	•	·	:	_	
[85 - 89) :	0	0	0	0	0	0	0	0	n	:		
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[90 - 99) :	0	0	0	0	0	0	0	0	0	:	0	
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Total :	931	862	973	0	0	0	0		۰۰۰۰۰۰۰	• • •	2766	
Total :				0	0	0	0	0			53372379	
							•		U	•	73316317	•

AVERAGES: Attained Age 58.00 Years Retired 1.49

Annual Benefit 19,296

DROP BENEFITS

STATE EMPLOYEES' SYSTEM ACTIVE AFTER DROP

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/1998

Age/Year	rs :	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	: Tota	al
[0 - 34	4) :	0	0	0	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • •			
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	:	·		-	•	0	0	0	0		0	:	0
	:	U	V	U	0	0	0	0	0		0	:	0
[35 - 39		0	0	0	•	•	_					:	
(0)	· , .	0	•	•	0	0	0	0	0		0	:	0
	:	0	•	-	0	0	0	0	0		0	:	0
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[40 - 44	· ·	6	2	1	•		_					:	
	:				0	0	0	0	0				9
	:				0	0	0	0	0		0	: 4583	68
		7 1010	24030	13376	0	0	0	0	0		0	: 10982	22
r45 - 40	٠.	20	8	,								:	
173 77	, . :				0	0	0	0	0		0	: 3	32
	:		333546		0	0	0	0	0		0	: 167214	47
	:	322300	154224	88372	0	0	0	0	0		0	: 56515	56
r50 - 543		23	45	_								:	
()0 -)4,	, ; ;		12	5	0	0	0	0	0		0	: 4	+0
					0	0	0	0	0		0	: 148515	8
	:	4/2/88	244236	101405	0	0	0	0	0		0	: 81842	29 :
55 - 501		59	7,	_	_							:	
				8	5	0	1	0	0		0	: 10)7 :
	:		1302227	296336	142571	0	24018	0	0		0	: 373722	2 :
	:	1404200	810764	186504	89750	0	15408	0	0		0	: 250662	6:
20 2/5	:											:	_
(60 - 64)			42		14	1	0	0	0		0	: 12	6 :
	:		1868810	813397	503769	20222	0	0	0		0	: 481582	3:
	:	1045750	1110396	492176	352604	11720	0	0	0		0	: 301264	6:
/F /D	:											:	
65 - 69)				18	3	4	0	0	0		0	: 114	4:
		1218896			74176	101895	0	0	0		0	: 379388	2 :
	:	662760	894833	376002	41184	89728	0	0	0		0	206450	7 :
	:											:	:
		19		11	6	_	1	0	0		0 :	: 57	7 :
		443706			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	51630	8562	0	0		0 ;	1983682	2 :
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		219	163	66	28	7	2	0	0	() :	485	5:
		7516116	6525957	2784723	913160	173747		0	0			17946282	-
Total	:	4229632	3659229	1503773	551338	124034	20205	0	0			10088211	

AVERAGES : Attained Age 60.74
Post Drop Years 1.30
Active Salary 37,003

Annual Benefit 20,800

EXHIBIT 5

PRINCIPLE PROVISIONS OF THE PLAN (Including Acts of 1997 Regular Session)

EFFECTIVE DATE:

July 1, 1947; last amendment date - July 1, 1997.

EMPLOYEE:

Any person legally occupying a position in the state service.

EMPLOYER:

The State of Louisiana or any of its boards, commissions, departments, agencies and courts which are contributing members and those approved for membership by the legislature from which any employee receives his compensation.

ELIGIBILITY FOR PARTICIPATION:

Condition of employment in state service except the following: elected or appointed officials or employees who are contributing members of any other state system; public officials and state employees who receive a per diem in lieu of compensation; persons employed prior to 1/1/73 who work on a part-time basis and elect not to participate; patient or inmate help in state charitable, penal or correctional institutions; part-time students, interns and resident physicians; independent contractors; employees who are age 60 or older at time of employment; retirees of the retirement system who return to work under certain conditions; judges who failed to elect membership prior to 10/2/76; civilian employees who on 11/1/81 were within five years of retirement eligibility in the Federal Civil Service Retirement and Disability Fund; teachers employed after 9/10/82; nurses employed from employment pools at state charity hospitals; temporary, seasonal, part-time employees of DOCT, or as defined in federal law.

SERVICE:

Service as an "Employee", defined above.

CREDITABLE SERVICE:

For service prior to January 1, 1973: 1/4 year granted for each 89 day interval of service, not to exceed 1 credit per fiscal year. Minimum 50 days required for 1st Quarter credit.

For service on or after January 1, 1973, a member shall receive credit based on the ratio of actual pay to the annual base per calendar year. Fractional service shall be rounded to the next highest 1/10th, not to exceed 100 percent per year.

ADDITIONAL CREDITABLE SERVICE:

- 1. Credit for service cancelled by withdrawal of accumulated contributions may be restored by member by paying into system the amount withdrawn plus interest at the Actuarial Valuation rate.
- 2. Maximum of 4 years of credit for military service may be obtained for each member with at least 2 years service, contingent on payment of Actuarial Cost.
- 3. Credit for educational leave or any period of training, up to a maximum of three years, for which a stipend was paid and the member was bound to return to the employ and does return to the employ of such agency.
- 4. Credit for service which was classified as a job appointment or emergency appointment not to exceed 2 years credit.
- 5. At retirement, all accumulated unused sick and annual leave shall be credited based on the following schedule:

1	-	26	Days	10% of	a	Year
27	-	52	Days	20% of		
			Days	30% of	a	Year
			Days	40% of	a	Year
			Days	50% of	a	Year
			Days	60% of	a	Year
			Days	70% of	a	Year
			Days	80% of	a	Year
			Days	90% of	a	Year
235	-	260	Days	100% of	a	Year

Actuarial Equivalent Lump-sum is available after August 15, 1993.

EARNABLE COMPENSATION:

The base pay earned by an employee for a given pay period as reported by the employing agency including the full amount earned, expense allowances, overtime paid to employees of the legislative branch, per diem paid to members of the legislature, the clerk or sergeant-at-arms of the house and the president and secretary of the senate.

AVERAGE FINAL COMPENSATION FOR BENEFIT PURPOSES:

The average annual earned compensation for the thirty-six highest months of successive employment, or the highest thirty-six successive joined months where interruption of service occurred; part-time employees use the base pay the part-time employee would have received had employment been full-time.

ACCUMULATED CONTRIBUTIONS:

The sum of all amounts deducted from the earned compensation of a member and credited to the individual account in the employee's savings account, together with regular interest credited prior to July 1971.

EMPLOYEE CONTRIBUTIONS:

				After June 30, 1989
Individual Employees	7%	of	Compensation	7.5%
Agents of DOC	8.5%	of	Compensation	9.0%
WildLife Agents	8%	of	Compensation	8.5%
Legislators, Judges	11%	of	Compensation	11.5%

EMPLOYER CONTRIBUTIONS:

9% of Compensation by statute; 9.2% effective 8/1/80; 10.2% effective 7/1/84; 11.2% effective 9/11/85. Act 81 of 1988 requires employer rate to be actuarially determined and set annually.

RETIREMENT BENEFIT:

NORMAL RETIREMENT:

Eligibility:

Written application to the Board and,

- 1. Member has attained age 60 and 10 years of accredited service, or age 55 and 25 years of accredited service, or at any age and 30 years of accredited service.
- 2. Certain members of the Department of Public Safety and Corrections, 20 years of accredited service at any age (age 50 if employed after August 15, 1986, 20 years of service).
- 3. Service as a judge or court officer, 18 years of creditable service regardless of age, or age 50 and 20 years of accredited service, or age 55 and 12 years of accredited service, or age 70 without regard to accredited service.
- 4. Members of the legislature, governor, lieutenant governor and state treasurer, 16 years of such service without regard to age, or age 50 with 20 years of accredited service with 12 years of such service, or age 55 with 12 years of such service.

Benefit:

- 1. Annual pension equal to 2 1/2 percent of average compensation for each year of creditable service, plus \$300 supplemental benefit.
- 2. Annual pension equal to 2 1/2 percent of average compensation for each year of creditable service, plus \$300 supplemental benefit.

- 3. Annual pension equal to 3 1/2 percent of average compensation for each year of creditable service as a judge or court officer, plus benefit described in (1) above for other state service.
- 4. Annual pension equal to 3 1/2 percent of average compensation for each year of creditable service as a legislator, governor, lieutenant governor, employees of the legislature or state treasurer, plus benefit described in (1) above for other state service.

NOTE:

- A. Benefit not to exceed 100% of average earnable compensation.
- B. Retiree who returns to work shall have benefits suspended while so re-employed; benefit in same amount shall resume after re-employment ceases, but shall include any Cost-of-Living benefits or increases granted during suspension (these are not retroactive). Retirees who return to work during a July 1 to June 30 year will not have his benefits reduced if his compensation does not exceed 50% of his annual benefit.
- C. The \$300 annual supplemental benefit is discontinued to persons who become members of the retirement system after 6/30/86 (Act 608 of 1986).
- D. For members employed after January 1, 1990, the annual pension cannot exceed the maximum benefit provided under Section 415(b)(2)(F) of the Internal Revenue Service Code as adjusted for inflation and form of benefit other than life annuity or qualified joint and survivor annuity for retirement ages as follows:

AGE	<u>MAXIMUM</u>	AGE	MAXIMUM AGE		<u>MAXIMUM</u>
48	\$24,721	56	\$51,626	64	\$116,464
49	27,027	57	56,856	65	130,000
50	29,569	58	62,694	66	139,486
51	32,375	59	69,226	67	149,835
52	35,476	60	76,551	68	161,138
53	38,907	61	84,787	69	173,498
54	42,710	62	94,070	70	187,033
55	46,931	63	104,564		·

EARLY RETIREMENT:

Eliqibility:

20 years of service credit regardless of attained age.

Benefit:

Normal retirement benefit based upon service accrued to date, actuarially reduced from the earliest date member would be eligible if employment had continued, to the earliest normal retirement date.

COST-OF-LIVING BENEFITS:

Act 572 of 1992 establishes an Experience Account which is credited with 50% of the excess investment experience gain and debited with 50% of the net investment experience loss. Balances in the experience account accrue interest at the average actuarial yield for the System portfolio. Once the balance of the experience account accumulates to a sum sufficient to grant retirees a COLA, the Board may grant such COLA with legislative approval.

DISABILITY RETIREMENT:

Eliqibility:

10 years of creditable service; certification of disability by medical board (medical examination may be required once in every year for the first 5 years of disability retirement, and once in every 2 years thereafter, until age 60.)

Benefit:

- 1) The disability retirement annuity shall be equivalent to the regular retirement formula without reduction by reason of age for all classes of membership.
- 2) For judges and court officers, the benefit in (1) but not less than 50% of current salary.
- 3) For certain WildLife agents; partial disabilities not eligible for (1) above receive 75% of the benefit in (1); total disability in-line-of-duty receive 60% of average compensation.

SURVIVOR'S BENEFITS:

Eligibility:

- 1. Surviving spouse with minor children, legally married 2 years prior to date of death of a member with 5 years of service credit, 2 of which were earned immediately prior to death, or 20 years of service regardless of date earned.
- 2. Surviving spouse, legally married 2 years prior to death, of a deceased member with 10 years of service credit, 2 of which were earned immediately prior to death, or 20 years of service regardless of date earned.
- 3. Surviving minor child, with no spouse of a deceased member with 5 years of service credit, 2 of which were earned immediately prior to death, or 20 years of service regardless of date earned.
- 4. Surviving handicapped or mentally retarded children.
- 5. Surviving spouse of a judge or court officer.
- 6. Beneficiary not eligible for (1), (2), (3), (4) or (5).

Benefit:

- 1. Greater of 75% of member's average compensation or \$300 per month. One-third of the benefit is designated for survivor, two-thirds for minor children.
- 2. Greater of 50% of member's average compensation or \$200 per month.
- 3. Greater of 75% of member's average compensation or \$300 per month.
- 4. Continuation of minor child's benefit described above in (1) or (3) whichever is applicable.
- 5. Survivor's benefit described in (1) or (2), but not less than the greater of 1/3 the member's compensation or 50% of the retirement pay which such member was entitled or receiving prior to death.
- 6. Return of member's accumulated contributions.

OPTIONAL FORMS OF BENEFIT:

In lieu of receiving normal retirement benefit, member may elect to receive actuarial equivalent of retirement allowance in a reduced form as follows:

 $\underline{\text{Option 1}}$ - If a member dies before receiving present value of annuity in monthly payments, balance paid to designated beneficiary.

Option 2 - Reduced retirement allowance, if member dies, to be continued to designated beneficiary for his lifetime.

 $\underline{\text{Option 3}}$ - 1/2 of reduced retirement allowance, if member dies, to be continued to designated beneficiary for his lifetime.

 $\underline{\text{Option 4}}$ - Other benefits of equal actuarial value may be elected with approval of board.

<u>Initial Benefit Option</u> - Maximum benefit actuarially reduced for partial lump-sum equal to not more than 36 months of maximum monthly pension.

- A. 90% of the maximum retirement allowance to member; if member dies, 55% of the maximum retirement allowance continued to beneficiary.
- B. 90% of the maximum retirement allowance to member; if member dies, 55% of the maximum retirement allowance continues to beneficiary adjusted based on the age and relationship of the beneficiary to the member.

C. Special reversionary annuities to Options 2, 3, and 4. Member's reduced benefit reverts to the maximum if the beneficiary predeceases the annuitant.

If divorced after retirement, optional benefit can revert to maximum benefit with actuarial adjustment.

REFUND OF CONTRIBUTIONS:

If a member ceases to be a member, except by death or retirement, he shall be paid such part of the amount of the accumulated contributions credited to his individual account in annuity savings fund as he shall demand, plus any accumulated interest thereon as of 6/30/71; if member of legislature, no interest. No interest credited after 6/30/71. Death prior to retirement - accumulated contributions credited to individual account in annuity savings fund are returnable to designated beneficiary, if any; otherwise, to his estate.

WITHDRAWAL AFTER 10 YEARS OF CREDITABLE SERVICE:

Any member with credit for 10 years of service who withdraws from service may elect to leave accumulated contributions in system until age 60, when he may apply for retirement and begin receiving a retirement benefit based on the credits he had at date of withdrawal.

EXHIBIT 6

ACTUARIAL COST METHODS AND ASSUMPTIONS

COST METHOD:

The individual "Projected Unit Credit" cost method was used to calculate the funding requirements of the retirement system. Under this cost method, the actuarial present value of projected benefits of each individual included in the valuation is accumulated from the participant's attained age to the anticipated retirement dates. That portion of the actuarial present value attributable to current year benefit accruals is called the Normal Cost. The actuarial present value of future benefits in proportion to service accrued on the date of valuation is called the actuarial accrued liability.

ACCOUNTING DISCLOSURE:

The Governmental Accounting Standards Board Statement No. 25 requires the disclosure of certain Actuarial Liabilities for Public Employees Retirement Systems. The disclosures illustrated in Exhibit 3 were developed using the Projected Unit Credit cost method. The statement of assets provided by the audit staff was the final draft prior to publication. Should the statement of assets received differ from the final audit report, a revised actuarial statement will be issued, but only to the extent that any difference in reporting affects the employer's contribution rate or the yield to the Actuarial Value of Assets.

MORTALITY ASSUMPTIONS:

Pre-retirement deaths and post-retirement life expectancies were projected in accordance with the experience of the 1983 Sex Distinct Graduated Group Annuity Mortality Table, with female age set at attained age plus one.

DISABILITY ASSUMPTION:

Rates of total and permanent disability were projected by age in accordance with the 1981-86 disability experience study of the Retirement System. For mortality after disability, rates were on the Eleventh Actuarial Valuation of the Railroad Retirement Systems for permanent disabilities.

RETIREMENT ASSUMPTION:

Retirement without reduction in benefits can occur at any given age after satisfying the service eligibility requirements. Absent from the plan is a traditional "Normal Retirement Age". Since the age and service requirements are varied, the frequency of retirements will depend on the exposure plus intangibles such as health, economy, Social Security and other work patterns. The retirement rates were projected based on the 1981-86 experience study of the Retirement System.

EXHIBIT 6 (Continued)
Cost Methods & Assumptions

TERMINATION ASSUMPTIONS:

Voluntary termination or withdrawal rates were derived from the 1981-86 termination experience study of the Retirement System. During the first five years of employment, the probability of voluntarily terminating is a multiple of the attained age rate as follows:

Regular <u>Members</u>	Corrections & Wildlife
1.3x	1.6x
1.0x	1.2x
1.0x	1.1x
1.0x	1.1x
1.0x	1.0x
	1.3x 1.0x 1.0x 1.0x

Furthermore, for members terminating with ten (10) or more years of service, it is assumed that 80% will not withdraw their accumulated employee contributions.

SALARY GROWTH:

The rate of annual salary growth is based on the 1981-86 salary growth experience study of the Retirement System.

FAMILY STATISTICS:

The composition of the Family was based on Age-Specific Fertility Rates from the 1983 Vital Statistics of the United States. 80% of the membership was assumed to be married with the wife assumed to be three (3) years younger than the husband. Sample rates are as follows:

Age at	Number of	Years for Youngest
<u>Death</u>	Minor Chn.	Child to Attain Majority
25	1.3	17
30	1.8	15
35	2.2	13
40	2.1	10
45	1.7	8
50	1.2	4

EXHIBIT 6 (Continued)
Cost Methods & Assumptions

ASSUMPTION FOR INCOMPLETE DATA:

Records identified as containing suspicious data or errors in data were assumed to possess the same characteristics of "good data" in the same cohort.

INVESTMENT EARNINGS:

An effective annual rate of 8 1/4%, net expenses.

ASSET VALUATION:

Bonds are valued at amortized cost. Fixed assets are valued at cost minus depreciation. For the Plan Year Ending June 30, 1988 equities are valued on a four year weighted average. The computation of the average actuarial value of assets is the sum of the bonds at amortized cost, plus a weighted average of the change in the unrealized losses or (gains) in the market value of equities offset against the market value of equities. This value is determined in accordance with Reg. 1.412(c)(2)-1-(6)&(7) of the Internal Revenue Service Code and is subject to the Corridor Limits defined therein.

ADMINISTRATIVE EXPENSES:

Expenses are included in Aggregate Normal Cost and are assumed to be \$6,700,000 per year. Investment Manager fees are not included in Normal Cost but are treated as a direct offset to investment income. The Employer portion of the Normal Cost excludes an allocation for administrative expenses.

COST-OF-LIVING:

The liability for a cost-of-living raise already granted is included in the retiree reserve.

ACTUARIAL TABLES AND RATES (STATE EMPLOYEES' ASSUMPTIONS)

		Rates -	Remarriage	Disability	Retirement		Termination	Salary
Age	Male	Female	Rates	Rates	Rates	Dur	Rates	Scale
20	.00042	.00022	.09350	.00000	.00000	1	.27500	1 11750
21	.00044	.00024	.09152	.00000	.00000	2	.32400	1.11750 1.10750
22	.00045	.00025	.08954	.00000	.00000	3	.16400	
23	.00047	.00027	.08757	.00000	.00000	4	.13700	1.09750
24	.00049	.00028	.08569	.00000	.00000	5	.11800	1.08250
25	.00052	.00030	.08402	.00000	.00000	6		1.07750
26	.00054	.00032	.08225	.00000	.00000	7	.11000	1.07250
27	.00057	.00034	.08028	.00000	.00000	8	.10100	1.07050
28	.00060	.00036	.07802	.00000	.00000	9	.08500	1.06850
29	.00064	.00038	.07556	.00000	.00000	10	.07100	1.06650
30	.00067	.00040	.07281	.00020	.00000	11	.05800	1.06350
31	.00072	.00043	.06976	.00020	.00000	12	.03200	1.06050
32	.00076	.00046	.06652	.00030	.00000	13	.02400	1.05750
33	.00082	.00049	.06308	.00030	.00000	14	.02000	1.05450
34	.00087	.00053	.05945	.00040	.00000		.02000	1.05150
35	.00096	.00056	.05582	.00040		15	.01700	1.04850
36	.00101	.00060	.05230	.00060	.00000	16	.01700	1.04550
37	.00107	.00064	.04890	.00080	.00000	17	.01300	1.04250
38	.00115	.00069	.04570	.00100		18	.01300	1.04250
39	.00125	.00074	.04271		.00000	19	.01300	1.04250
40	.00123	.00074	.03993	.00120	.00000	20	.01300	1.04250
41	.00152	.00086	.03769	.00130	.50000	21	.01200	1.04250
42	.00132	.00094	.03769	.00140	.50000	22	.01200	1.04250
43	.00170	.00102	.03480	.00150	.50000	23	.01200	1.04250
44	.00215	.00102	.03236	.00170	.50000	24	.01200	1.04250
45	.00243	.00124	.02822	.00200 .00240	.65000	25	.01100	1.04250
46	.00275	.00124	.02632	.00280	.65000	26	.01100	1.04250
47	.00310	.00157	.02652	.00320	.32000	27	.00800	1.04250
48	.00349	.00152	.02303		.32000	28	.00700	1.04250
49	.00390	.00183	.02303	.00360	.42000	29	.00600	1.04250
50	.00330	.00183	.02154	.00450	.43000	30	.01400	1.04250
51	.00434	.00199		.00540	.43000	31	.01300	1.04250
52	.00528	.00217	.01889 .01808	.00670	.42000	32	.01300	1.04250
53	.00578	.00257	.01733	.00800	.42000	33	.02000	1.04250
54	.00629	.00287		.00670	.42000	34	.01500	1.04250
55	.00681	.00232	.01671	.00540	.42000	35	.01500	1.04250
56	.00735	.00311	.01622	.00670	.47000	36	.01500	1.04250
57	.00793	.00343	.01596	.00920	.34000	37	.01500	1.04250
58	.00753	.00383	.01584 .01589	.01040	.32000	38	.01500	1.04250
59	.00932	.00423	.01622	.01140	.32000	39	.00000	1.04350
60	.01018	.00523		.01040	.32000	40	.00000	1.04550
61	.01118	.00579	.01682 .01764	.00400	.32000	41	.00000	1.04850
62	.01237	.00579		.00330	.27000	42	.00000	1.05150
63	.01237	.00710	.01906 .02061	.00250	.27000	43	.00000	1.05450
64	.01541	.00710		.00250	.27000	44	.00000	1.05750
65	.01732	.00763	.02239	.00300	.27000	45	.00000	1.05750
66	.01953	.00965	.02446	.00400	.44000	46	.00000	1.05750
67	.02200	.01078	.02684	.00000	.32000	47	.00000	1.05750
68	.02200	.01078	.02952	.00000	.32000	48	.00000	1.05750
69	.02470		.03209	.00000	.32000	49	.00000	1.05750
70	.02/5/	.01376	.03504	.00000	.42000	50	.00000	1.05750
70	.03039	.01570	.03851	.00000	.50000	51	.00000	1.05750

ACTUARIAL TABLES AND RATES (JUDGES & LEGISLATORS ASSUMPTIONS)

Age	- Death Male	Rates - Female	Remarriage Rates	Disability Rates	Retirement Rates	Dur	Termination Rates	Salary Scale
_					Macco	Dur	Races	Scale
20	.00042	.00022	.09350	.00000	.00000	1	.27500	1.04750
21	.00044	.00024	.09152	.00000	.00000	2	.32400	1.04750
22	.00045	.00025	.08954	.00000	.00000	3	.16400	1.04750
23	.00047	.00027	.08757	.00000	.00000	4	.13700	1.04750
24	.00049	.00028	.08569	.00000	.00000	5	.11800	1.04750
25	.00052	.00030	.08402	.00000	.00000	6	.11000	1.04750
26	.00054	.00032	.08225	.00000	.00000	7	.10100	1.04750
27	.00057	.00034	.08028	.00000	.00000	8	.08500	1.04750
28	.00060	.00036	.07802	.00000	.00000	9	.07100	1.04750
29	.00064	.00038	.07556	.00000	.00000	10	.05800	1.04750
30	.00067	.00040	.07281	.00020	.00000	11	.03200	1.04750
31	.00072	.00043	.06976	.00020	.00000	12	.02400	1.04750
32	.00076	.00046	.06652	.00030	.00000	13	.02000	1.04750
33	.00082	.00049	.06308	.00030	.00000	14	.02000	1.04750
34	.00087	.00053	.05945	.00040	.00000	15	.01700	1.04750
35	.00096	.00056	.05582	.00050	.00000	16	.01700	1.04750
36	.00101	.00060	.05230	.00060	.00000	17	.01300	1.04750
37	.00107	.00064	.04890	.00080	.00000	18	.01300	1.04750
38	.00115	.00069	.04570	.00100	.00000	19	.01300	1.04750
39	.00125	.00074	.04271	.00120	.00000	20	.01300	1.04750
40	.00138	.00080	.03993	.00130	.50000	21	.01200	1.04750
41	.00152	.00086	.03769	.00140	.50000	22	.01200	1.04750
42	.00170	.00094	.03480	.00150	.50000	23	.01200	1.04750
43	.00191	.00102	.03256	.00170	.50000	24	.01200	1.04750
44	.00215	.00112	.03037	.00200	.65000	25	.01100	1.04750
45	.00243	.00124	.02822	.00240	.65000	26	.01100	1.04750
46	.00275	.00137	.02632	.00280	.32000	27	.00800	1.04750
47	.00310	.00152	.02455	.00320	.32000	28	.00700	1.04750
48	.00349	.00167	.02303	.00360	.42000	29	.00600	1.04750
49	.00390	.00183	.02154	.00450	.43000	30	.01400	1.04750
50	.00434	.00199	.02019	.00540	.43000	31	.01300	1.04750
51	.00480	.00217	.01889	.00670	.42000	32	.01300	1.04750
52	.00528	.00236	.01808	.00800	.42000	33	.02000	1.04750
53	.00578	.00257	.01733	.00670	.42000	34	.01500	1.04750
54	.00629	.00282	.01671	.00540	.42000	35	.01500	1.04750
55	.00681	.00311	.01622	.00670	.47000	36	.01500	1.04750
56	.00735	.00345	.01596	.00920	.34000	37	.01500	1.04750
57	.00793	.00383	.01584	.01040	.32000	38	.01500	1.04750
58	.00858	.00425	.01589	.01140	.32000	39	.00000	1.04750
59	.00932	.00471	.01622	.01040	.32000	40	.00000	1.04750
60	.01018	.00523	.01682	.00400	.32000	41	.00000	1.04750
61	.01118	.00579	.01764	.00330	.27000	42	.00000	1.04750
62	.01237	.00641	.01906	.00250	.27000	43	.00000	1.04750
63	.01377	.00710	.02061	.00250	.27000	44	.00000	1.04750
64	.01541	.00785	.02239	.00300	.27000	45	.00000	1.04750
65	.01732	.00869	.02446	.00400	.44000	46	.00000	1.04750
66	.01953	.00965	.02684	.00000	.32000	47	.00000	1.04750
67	.02200	.01078	.02952	.00000	.32000	48	.00000	1.04750
68	.02470	.01214	.03209	.00000	.32000	49	.00000	1.04750
69	.02757	.01376	.03504	.00000	.42000	50	.00000	1.04750
70	.03059	.01570	.03851	.00000	.50000	51	.00000	
				- 21	- 50000	J.1	• 00000	1.04750

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EXHIBIT 7

LEGISLATIVE AUDITOR'S REPORT

6 Actuarial information for <u>STATE EMPLOYEES' RETIREMENT SYSTEM</u> . (a) Most recent actuarial valuation date: <u>June 30, 1998</u> .
(b) This valuation sets forth information concerning contributions applicable to the plan fiscal year beginning <u>July 1, 1998</u> , and ending <u>June 30, 1999</u> .
(c) Data used in this valuation(i) Number of participants as of the valuation date:
Active members
Regular retirees. + DROP
Disability retirees
Survivors receiving benefits
Terminated employees due benefits upon attaining retirement age 1,094
Terminated employees due refunds
(ii) Payroll of active members on the valuation date
(iii) Annual benefits in payment on the valuation date
(d) Actuarially required contribution for those systems to which R.S.11:102 applies Funding Method <u>Projected Unit Credit</u> .
Unfunded Accrued Liability as of the end of fiscal 1988 $1,825,421,035$ Amortization Method Increasing Annuity.
Remaining Unamortized Portion of the initial unfunded liability2,483,414,233
Current Unfunded Accrued Liability under this method
Actuarially required employer contribution: (at Mid-year)
(i) Employer Normal Cost
(ii) Previous year's unpaid underpayment or (overpayment) (2,540,503)
(iii) Initial Unfunded Liability (Excludes \$4,298,757 appropriation). 130,347,285
(iv) Changes due to COLA's
(v) Changes in plan provisions, assumption and experience (28,940,882)
(vi) Total employer contribution required (Sum of 6(d)(i) - (v)) 208,203,728
(vii) Estimated projected payroll for the coming fiscal year 1,680,512,484
(viii) Required Employer Contribution Rate (6(d)(vi)/6(d)(viii)) 12.4%
+ Appropriation 4,298,757
(e) Actuarially required contribution for those systems to which R.S. 11:103 applies Funding Method Not Applicable.
(f) Average yield on investments last fiscal year
(g) Actuarial information for accounting purposes (GASB/25 results)
Pension Benefit Obligation:
(i) Present retirees and beneficiaries
(ii) Terminated participants due benefits at retirement age 45,400,235
(iii) Terminated participants due a refund of their contributions 17,780,958
(iv) Active Members:
(1) Accumulated employee contributions
(2) Employer-financed vested portion
(v) Total PBO (sum of $6(g)(i)$ through $6(g)(iv)$)
Actuarial value of assets
Unfunded (Assets in Excess of) Pension Benefit Obligation 1,885,301,180

Exhibit 7 (Continued) Legislative Auditor's Report

(g) Actuarial assumptions used
Interest rate used
Give the name (or source reference) of the particular table used or attach a cop-
of the table used for the each of the following. Indicate where appropriate that
no assumption is made with regard to a particular aspect of the valuation.
Males Females
Mortality rates (healthy)
Mortality rates (disabled) <u>See copies of pages 17 - 21 of the 6/30/98</u> Termination rates <u>Actuarial Valuation Report Attached</u>
Retirement rates
Retirement rates
Disability rates
Salary scales
(h) Cost of Living Target Ratio and Funded Ratio of the System: (This section must be
completed by state and statewide retirement systems only).
(i) Funded Ratio of the System as of the 1986 fiscal year end
(ii) Number of fiscal years elapsed since the 1986 fiscal year end
multiplied by one-thirtieth of the difference between one hundred
percent and the amount in $(6)(h)(i)$
(iii) Changes in Funded Ratio due to mergers or changes in methods or
assumptions after the 1986 fiscal year end;
Date of Change Change in Funded Ratio
<u>6/30/91</u> <u>(.00781)</u>
Total Change in Funded Ratio
(iv) Number of fiscal years elapsed since the date of each change in
(6)(h)(iii) multiplied by one-thirtieth of the amount of such change
in funded ratio and of opposite arithmetic sign of such change;
Date of Change Amortization of Change
6/30/87 .01154
6/30/88 (.00941)
6/30/89 (.00726)
6/30/91 .00182
6/30/96 (.00080)
Total Amortization of Changes
(v) Target Ratio as of the end of the dust completed since
(v) Target Ratio as of the end of the just completed fiscal year
(Sum of (6)(h) (i) through (iv))
(vi) Actual Funded Ratio of the system as of the just completed fiscal year .71509
(vii) According to my actuarial calculations this system has has not X met
the target ratio required to grant a cost of living increase to current
benefit recipients.
To the best of my knowledge, the information supplied in item 6 and on statements
attached to item 6, if any, is complete and accurate. In my opinion the assumptions
used are in the aggregate reasonably related to the experience of the system and to
reasonable expectations and represent my best estimate of anticipated experience unde
the system.
Date <u>September 11, 1998</u> Signature of Actuary Charles G. Dan
- June of Actuary Comme (1, Date)

EXHIBIT A

AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY JUNE 30, 1998

	!	DATE 6/30		AMTZ. METHOD	AMTZ. PERIOD	INITIAL <u>LIABILITY</u>	YEARS REMAIN	REMAINING BALANCE	MID-YEAR PAYMENT
-	1)	1988	Initial Liability	I	40	1,825,421,035	31	2,483,414,233	130,347,285*
ì	2)	1989	Change in Liability	y I	36	(219,552,151)	31	(252,983,781)	(13,716,304)
Complete Scotlands	3)	1990	Change in Liability	, I	36	105,002,368	31	120,991,281	6,559,919
	4)	1991	Change in Liability	, I	36	47,088,257	31	54,258,477	2,941,792
	5)	1992	Legislative COLA	L	12	66,577,000	6	41,059,206	8,601,429
	6)	1992	Change in Liability	ı	36	1,651,904	31	1,903,443	103,201
1	7)	1993	Change in Liability	I	36	(67,422,552)	31	(77,689,114)	(4,212,157)
	8)	1994	Change in Liability	I	35	(48,680,987)	31	(54,441,930)	(2,951,739)
and the section of the section of	9)	1995	Change in Liability		34	(57,826,272)	31	(62,810,376)	(3,405,460)
- Indian	10)	1996	Change in Liability		33	70,910,540	31	74,865,716	4,059,078
	11)	1997	Change in Liability		32	(239,190,250)	31	(245,662,313)	(13,319,348)
!	12)	1998	Change in Liability		31	(92,217,582)	31	(92,217,582)	(4,999,864)
			TOTAL OUTS	TANDING	BALANCE		:	1,990,687,260	110,007,832
EMPLOYER'S CREDIT BALANCE									
		1994	Contribution Variance		5	2,609,956	1	607,846	632,423
		1995	Contribution Variance		5	(7,118,810)	2	(3,189,516)	(1,724,970)
		1996	Contribution Variance		5	1,504,500	3	973,095	364,558
		1997	Contribution Variance		5	3,429,831	4	2,848,101	831,088
		1998	Contribution Variance	e L	5	(10,909,927	5	(10,909,927)	(2,643,602)
	TOTAL OUTSTANDING BALANCE							(9,670,401)	(2,540,503)
	TOTAL UNFUNDED ACTUARIAL						\$1	,981,016,859	

*Note: LSU and Unfunded Judges equals 3.192635% of the Initial Liability mid-year payment. The appropriation is \$4,298,757.

ACCRUED LIABILITY

Effective July 1, 1992, Amortization Periods changed in accordance with Act 257.