## The Retirement Systems of Alabama

Component Units of the State of Alabama Comprehensive Annual Financial Report

For the Fiscal Year Ended September 30, 2003

Front and Back Cover: Gulf Shores Alabama Courtesy Norman Turnipseed

### The Retirement Systems of Alabama

Component Units of the State of Alabama

#### COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Year Ended September 30, 2003

The Retirement Systems of Alabama Consists of:

#### TEACHERS' RETIREMENT SYSTEM of ALABAMA EMPLOYEES' RETIREMENT SYSTEM of ALABAMA JUDICIAL RETIREMENT FUND

(Each a Component Unit of The State of Alabama)

David G. Bronner, Ph.D., J.D., Chief Executive Officer

135 South Union Street • P. O. Box 302150 • Montgomery, Alabama 36130-2150 (334) 832-4140 or 1-800-214-2158 • <u>http://www.rsa.state.al.us</u>

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## INTRODUCTORY SECTION



## **Retirement Systems of Alabama**



**Teachers'** Paul R. Hubbert, Chair Sarah Swindle, Vice Chair David G. Bronner, CEO Marcus H. Reynolds, Jr., Deputy

Employees' State State Police Public Judicial Bob Riley, Chair John H. Wilkerson, Jr., Vice Chair

March 15, 2004

The Boards of Control Teachers' Retirement System of Alabama Employees' Retirement System of Alabama 135 South Union Street Montgomery, AL 36130

Dear Board Members:

It is with great pleasure that I submit the Comprehensive Annual Financial Report (CAFR) of the Retirement Systems of Alabama (RSA) for the fiscal year ended September 30, 2003. The Retirement Systems of Alabama includes the Teachers' Retirement System of Alabama (TRS), the Employees' Retirement System of Alabama (ERS), and the Judicial Retirement Fund (JRF). Each system is considered a component unit of the State of Alabama for financial reporting purposes, and, as such, the financial statements contained in this report are also included in the State of Alabama Comprehensive Annual Financial Report.

Responsibility for both the accuracy of the data, and the completeness and fairness of the presentation, including all disclosures, rests with the management of the Systems. Sufficient internal controls exist to provide reasonable assurance regarding the safekeeping of assets and fair presentation of the financial statements, supporting schedules, and statistical tables. I trust that you and the members of the Systems will find this report helpful in understanding your retirement system.

#### **Report Contents**

The 2003 Comprehensive Annual Financial Report is divided into the following five sections:

- The *Introductory Section*, which contains this letter of transmittal and general information regarding the operations and administrative structure of the RSA.
- The *Financial Section*, which contains the Independent Auditors' Report by KPMG LLP, Management's Discussion and Analysis, financial statements, required supplementary information, and supporting schedules for the TRS, ERS, and JRF.
- The *Investment Section*, which contains a report on investment activity, an outline of investment policies, investment results, and various investment schedules.
- The *Actuarial Section*, which contains the certification letter of the independent consulting actuary, Mellon, for the TRS, ERS, and JRF, as well as summaries of the results of the most recent actuarial valuations.
- The Statistical Section, which contains significant statistical information regarding the TRS, ERS, and JRF.

#### **Administration and Plan History**

The Teachers' Retirement System (TRS), Employees' Retirement System (ERS), and Judicial Retirement Fund (JRF) operate under common management and are collectively referred to as the Retirement Systems of Alabama (RSA). In addition to executive management, the TRS, ERS, and JRF share investment management, accounting, and information system services, the costs of which are allocated to the funds on an equitable basis. The TRS was established under the provisions of Act 419 of the Legislature of 1939 to provide benefits to qualified persons employed by State-supported educational institutions. The ERS was established under the provisions of Act 515 of the Legislature of 1945 to provide benefits to State employees, State police, and, on an elective basis, to qualified persons of cities, towns, and quasi-public organizations. The JRF was established under the provisions of Act 1163 of the Legislature of 1973 to provide benefits to qualified judges and justices. Additional information regarding the administration and history of each system, including laws establishing each plan and services provided, can be found in the *Financial Section - Notes to the Financial Statements* portion of this report.

#### **Financial Information**

*Accounting Method* - As required by Generally Accepted Accounting Principles (GAAP), the financial information of the TRS, ERS, and JRF is reported on the accrual basis of accounting. Revenues are recognized when earned and expenses are recognized when the corresponding liability is incurred. Investments are reported at fair value.

*Internal Controls* - The management of the RSA is responsible for maintaining the system of internal controls (system). The system provides management with reasonable, but not absolute, assurance regarding the safeguarding of assets against loss or unauthorized disposition and the reliability of the financial records from which the financial reports are prepared. The concept of reasonable assurance recognizes that the cost of a control should not exceed the resulting benefits.

*Summary Comparative Data* – Management's Discussion and Analysis (MD&A) includes a narrative introduction, an overview of the financial statements, including the notes, and required supplementary information, and summary comparative data for fiscal years 2003 and 2002. Also, an analysis of significant variances between fiscal years 2003 and 2002 is provided in the MD&A.

#### **Plan Financial Condition**

The funding objective of the RSA pension trust funds is to meet long-term benefit requirements through contributions, which remain relatively level as a percent of member payroll over time, and through investment earnings. Historical information concerning funding progress is presented in the *Required Supplementary Information* - "Schedule of Funding Progress" on page 34.

At the date of the latest actuarial valuations, as presented in the *Notes to the Required Supplementary Information* on page 36, the number of participants in the TRS, ERS, and JRF was 202,130, 118,858, and 708, respectively. The TRS's last valuation was performed as of June 30, 2003. The TRS's funded percentage decreased from 97.4% at June 30, 2002 to 93.6% at June 30, 2003. The ERS's and JRF's last valuations were performed as of September 30, 2002. The ERS's funded percentage decreased from 100.2% at September 30, 2001 to 95.4% at September 30, 2002. The JRF's funded percentage decreased from 85.0% at September 30, 2001 to 84.7% at September 30, 2002.

#### **Investment Activity**

Total investments for the RSA increased in fiscal year 2003, primarily due to increases in the fair value of investments. Investment balances for the TRS, ERS, and JRF at September 30, 2003 were \$15.5 billion, \$7.1 billion and \$204.0 million, respectively, compared to investment balances for the TRS, ERS, and JRF at September 30, 2002 of \$13.9 billion, \$6.3 billion, and \$190.2 million, respectively. Total pension fund investments managed by the RSA increased from \$20.4 billion at September 30, 2002 to \$22.8 billion at September 30, 2003, an 11.8% increase.

Interest and dividend income for the TRS, ERS, and JRF for the fiscal year ended September 30, 2003 was \$592.6 million, \$271.7 million, and \$8.0 million, respectively, compared to \$672.2 million, \$297.8 million, and \$9.8 million, respectively, for the fiscal year ended September 30, 2002. The increase in fair value of investments for the TRS, ERS, and JRF for the fiscal year ended September 30, 2003 was \$1.4 billion, \$668.5 million and \$12.9

million, respectively, compared to the decrease in fair value of investments of \$1.9 billion, \$953.2 million, and \$33.0 million, respectively, for the fiscal year ended September 30, 2002.

The staff will continue to purchase and develop investments that will facilitate the mission of the RSA and serve the interests of our members by preserving the excellent benefits and soundness of the RSA while providing these at the least expense to the State of Alabama and all Alabama taxpayers. With the continued cooperative efforts of the Boards of Control, the RSA staff, and the Legislature, this goal will be achieved.

#### Management's Discussion and Analysis

GASB Statement No. 34 requires that management provide a narrative introduction, overview, and analysis to accompany the Financial Statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is intended to complement the MD&A and should be read in conjunction with it. The MD&A can be found immediately following the Independent Auditors' Report.

#### **Legislation Enacted During Fiscal-Year 2003**

Act 2003-120 Authorizes Tuscaloosa County elected officials to participate in the ERS.

Act 2003-204 Authorizes Hale County elected officials to participate in the ERS.

Act 2003-376 Allows ERS members participating under Alabama Code Section 36-27-6 to purchase prior service credit under any other retirement system using the formula in effect for computing cost prior to December 28, 2001.

Act 2003-414 Includes the Mobile County Sheriff position as an elected official authorized to participate in the ERS.

#### **Professional Services**

Professional consultants are appointed by the Boards of Control to perform professional services that are essential to the effective operation of the TRS, ERS, and JRF. An opinion from the independent certified public accountant and the certification letters from the independent actuary are included in this report. The professional consultants appointed by the Boards of Control are listed on page 9 of this report.

#### **Highlights and Initiatives**

During the fiscal year, the *Plan Sponsor Magazine* honored the RSA as the "Plan Sponsor of the Year" for 2002. The magazine reviewed the history of the RSA, and its insistence on helping the state's economy as well as the RSA's participants over the past three decades.

The Retirement Systems of Alabama continues to expand its investments in real estate. Projects that are currently in progress include:

- The RSA Battle House Hotel and office complex in Mobile, which will assist in the revitalization of downtown Mobile.
- A new Robert Trent Jones (RTJ) 18-hole championship golf course in Hoover, Alabama. A hillside hotel/civic center complex will overlook the course.
- A new 36-hole RTJ championship golf complex in Florence, Alabama in conjunction with a new hotel that will be located next to the new Florence Conference Center and Renaissance Tower.

These investments will further diversify the RSA's real estate portfolio with the added benefit of investing in Alabama.

#### RETIREMENT SYSTEMS OF ALABAMA

#### Introductory Section Letter of Transmittal (Continued)

#### Awards

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Retirement Systems of Alabama for its comprehensive annual financial report for the fiscal year ended September 30, 2002. The Certificate of Achievement is a prestigious national award, which recognizes conformance with the highest standards for preparation of state and local government financial reports.

In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive financial report whose contents conform to program standards. Such reports must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe our current report continues to conform to the Certificate of Achievement Program requirements, and we are submitting it to the GFOA.

#### Acknowledgments

The compilation of this report reflects the combined effort of the staff under the leadership of the Boards of Control. It is intended to provide extensive and reliable information as a basis for making management decisions, determining compliance with legal provisions, and determining responsible stewardship of the funds of the TRS, ERS, and JRF.

I would like to take this opportunity to express my gratitude to the staff, the Boards of Control, the consultants, the Legislature, and to the many people who have worked so diligently through continued cooperative efforts to assure the successful operation and financial soundness of the TRS, ERS, and JRF.

Sincerely,

Norman D. Turnipseed, CPA Chief Accountant & Fiscal Officer

G. Bronner, Ph.D., J.D.

Chief Executive Officer

## Certificate of Achievement for Excellence in Financial Reporting

Presented to

# The Retirement Systems of Alabama

For its Comprehensive Annual Financial Report for the Fiscal Year Ended September 30, 2002

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.



Edward Han

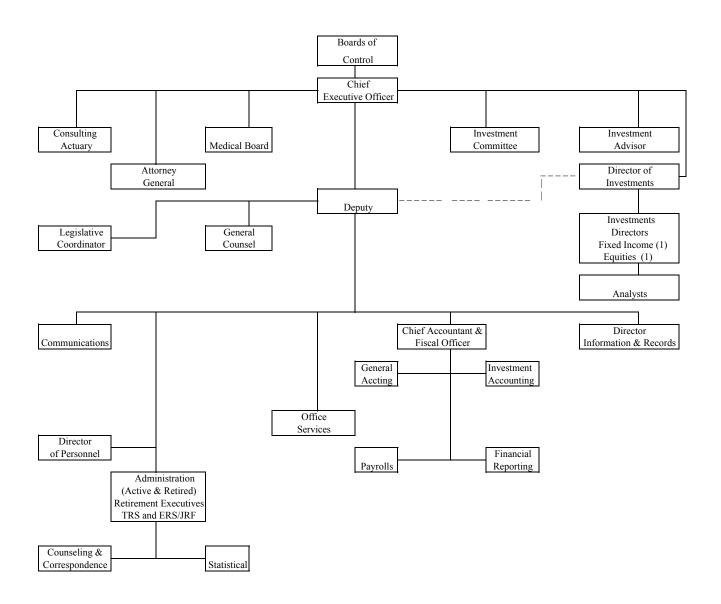
President

m R.

**Executive Director** 

#### RETIREMENT SYSTEMS OF ALABAMA

#### *Introductory Section* Organization Chart



#### **Teachers' Retirement System Board of Control**

#### **Ex Officio Members**

Chairman, Dr. Paul R. Hubbert, Executive Secretary, AEA Drayton Nabers, Jr., State Finance Director Kay Ivey, State Treasurer Dr. Edward R. Richardson, State Superintendent of Education

#### **Elected Members**

Vice-Chairman, Mrs. Sarah Swindle, Retired Position
Ms. Judy Rigdon, Teacher Position
Dr. Susan Williams Brown, Postsecondary Position
Mrs. Martha Black Handschumacher, Teacher Position
Dr. J. Terry Jenkins, Superintendent Position
Dr. John Landers, Principal Position
Dr. Wayne Teague, Retired Position
Mr. Russell J. Twilley, Support Personnel Position
Mrs. Peggy K. Lamb, Teacher Position
Mrs. Sharon P. Saxon, Support Personnel Position

#### **Employees' Retirement System Board of Control\*\***

#### **Ex Officio Members**

Chairman, Bob Riley, Governor Drayton Nabers, Jr., State Finance Director Kay Ivey, State Treasurer Thomas G. Flowers, State Personnel Director

#### **Elected Members**

Mr. Clyde Sellers, Retired Local Employee Mrs. Ann Gant, Active Local Employee Mr. T. M. "Sonny" Jones, Active Local Employee Ms. Mary Lou Foster, Retired State Employee Ms. Alice Thornton, Active State Employee Mr. Stephen C. Walkley, Active State Employee

#### **Appointed Members**

Vice-Chairman, Mr. John H. Wilkerson, Jr. Mr. Robert H. Pruit Mr. Robert S. Miller

\*\* The Employees' Retirement System Board of Control is responsible for the administration of both the Employees' Retirement System and the Judicial Retirement Fund.

#### Staff, Advisors, and Medical Board

David G. Bronner, Ph.D., J.D., Chief Executive Officer Marcus H. Reynolds, Jr., J.D., Deputy Director

#### Administrative Staff

Chief Accountant and Fiscal Officer, Norman D. Turnipseed, M.B.A., C.P.A. Director of Information Technology Services, Peggi L. Douglass, M.B.A. Teachers' Retirement Executive, Donald L. Yancey, M.P.A., J.D. Employees' & Judicial Retirement Executive, R. Donald Nelson, M.S. Legislative Counsel, Lindy J. Beale, J.D. General Counsel, William F. Kelley, Jr., J.D. General Counsel, William T. Stephens, J.D. Director of Communications, Michael E. Pegues, M.A.

#### **Investment Staff**

Acting Director of Investments, Darren J. Schulz, M.B.A., C.F.A.
Director of Alternative Investments, M. Hunter Harrell, M.B.A., J.D., C.F.A.
Director of Equities, R. Marc Green, M.B.A., C.F.A.
Assistant Director of Equities, Steven R. Lambdin, M.B.A., C.P.A., C.F.A.
Assistant Director of Equities, Eric J. Fox, M.B.A., C.F.A.
Director of Fixed Income, Julie S. Barranco, M.B.A., C.F.A.
Equity Analyst, John R. Givens, M.B.A., C.F.A.
Equity Analyst, G. Allan Carr Jr., M.B.A.
Fixed Income Analyst, C. Lance Lachney, M.B.A.
Fixed Income Analyst, Joseph G. Walker, M.B.A.
Cash Management & Operations, Nancy H. Sprayberry
Cash Management & Operations, Ann Roth, B.S.

#### Advisors

Independent Certified Public Accountants, KPMG LLP AmSouth Bank, N.A., Mr. Brian Sullivan, Investment Consultant J P Morgan Chase and Company, Investment Custodian Mellon (formerly George B. Buck Consulting Actuaries), Mr. Edward A. Macdonald Attorney General, Mr. Bill Pryor Chief Examiner, Mr. Ronald L. Jones

#### **Medical Board**

Chairman, Neil Stronach, M.D. A. S. Zdanis, M.D. Glen Yates, M.D.



## FINANCIAL SECTION



KPMG LLP SouthTrust Tower Suite 1800 420 20th Street North Birmingham, AL 35203

#### **Independent Auditors' Report**

Boards of Control Teachers' Retirement System of Alabama Employees' Retirement System of Alabama Judicial Retirement Fund:

We have audited the accompanying combining statement of plan net assets of the Retirement Systems of Alabama (consisting of the Teachers' Retirement System of Alabama, the Employees' Retirement System of Alabama, and the Judicial Retirement Fund), component units of the State of Alabama, as of September 30, 2003, and the related combining statements of changes in plan net assets for the year then ended. These financial statements are the responsibility of the management of the Retirement Systems of Alabama. Our responsibility is to express an opinion on these financial statements based on our audit. The prior year partial comparative information has been derived from the Retirement Systems of Alabama's 2002 financial statements and, in our report dated January 31, 2003, we expressed an unqualified opinion on such financial statements.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Retirement Systems of Alabama (component units of the State of Alabama) as of September 30, 2003, and the results of their operations for the year then ended in conformity with accounting principles generally accepted in the United States of America.

The management's discussion and analysis on pages 14 through 17 and the schedules of funding progress and employer contributions (pages 33 to 36) are not required parts of the basic financial statements but are supplementary information required by accounting principles generally accepted in the United States of America. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit the information and express no opinion on it.



Our audit was made for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplementary information included on pages 37 through 39 is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

KPMG LEP

March 2, 2004

The Retirement Systems of Alabama (RSA) is comprised of the Teachers' Retirement System (TRS), Employees' Retirement System (ERS), and Judicial Retirement Fund (JRF). The following discussion provides an overview of the financial position and results of operation for the RSA as of and for the period ended September 30, 2003, respectively. For more detailed information, please refer to the financial statements, including the Notes to the Financial Statements and the Required Supplementary Information.

#### **Financial Statements and Required Supplementary Information**

The financial statements (statements) include the Combining Statement of Plan Net Assets and the Combining Statement of Changes in Plan Net Assets. The Notes to the Financial Statements are considered an integral part of the financial statements. The statements are prepared using the economic resources measurement focus and accrual basis of accounting. Revenues are recognized when earned and expenses are recognized when incurred, regardless of when cash is received or expended. Investments are reported at fair value.

Combining Statement of Plan Net Assets – Includes all accounting assets and liabilities of the RSA and provides a snapshot of the financial position of the RSA as of the end of the fiscal year. Assets less liabilities results in the net assets held in trust for pension benefits at fiscal year-end.

Combining Statement of Changes in Plan Net Assets – Reports all additions and deductions of the RSA for the fiscal year. Additions primarily consist of employer contributions, employee contributions, and investment income. Deductions are principally made up of retirement allowance payments. Additions minus deductions provide the change in plan net assets for the fiscal year. The change in plan net assets plus the beginning plan net assets results in the plan net assets at fiscal year-end.

The Notes to the Financial Statements include plan descriptions, a summary of significant accounting policies, a description of legally required reserves and corresponding reserve balances at year-end, credit risk disclosures for cash and investments, concentration of investments disclosures, and securities lending disclosures.

The Required Supplementary Information following the Notes to the Financial Statements includes a Schedule of Funding Progress and a Schedule of Employer Contributions. The Schedule of Funding Progress provides trend data on the level of funding for the TRS, ERS, and JRF plans. The Schedule of Employer Contributions provides trend data on the annual required employer contributions and the percentage actually contributed. The Notes to the Required Supplementary Information provide disclosures concerning actuarial assumptions.

#### **Comparative Summary Statements**

#### Summary Comparative Statement of Plan Net Assets As of September 30, 2003 and 2002

(Amounts in Thousands)

|  | <br>2003         | 2002             | Variance        | % Increase/<br>(Decrease) |
|--|------------------|------------------|-----------------|---------------------------|
| Assets                                 |                  |                  |                 |                           |
| Cash                                   | \$<br>18,889     | \$<br>21,419     | \$<br>(2,530)   | (11.81)                   |
| Receivables                            | 287,995          | 318,827          | (30,832)        | (9.67)                    |
| Investments                            | 22,807,598       | 20,444,910       | 2,362,688       | 11.56                     |
| Invested Securities Lending Collateral | 2,505            | 1,182,769        | (1,180,264)     | (99.79)                   |
| Property and Equipment                 | <br>4,880        | <br>5,156        | <br>(276)       | (5.35)                    |
| Total Assets                           | <br>23,121,867   | <br>21,973,081   | <br>1,148,786   | 5.23                      |
| Liabilities                            |                  |                  |                 |                           |
| Accounts Payable and Other Liabilities | 4,259            | 4,616            | (357)           | (7.73)                    |
| Securities Lending Collateral          | <br>2,505        | <br>1,182,769    | <br>(1,180,264) | (99.79)                   |
| Total Liabilities                      | <br>6,764        | <br>1,187,385    | <br>(1,180,621) | (99.43)                   |
| Net Assets                             | \$<br>23,115,103 | \$<br>20,785,696 | \$<br>2,329,407 | 11.21                     |

#### RETIREMENT SYSTEMS OF ALABAMA

#### *Financial Section* Management's Discussion and Analysis (Continued)

#### Summary Comparative Statement of Changes in Plan Net Assets For the Fiscal Years Ended September 30, 2003 and 2002 (Amounts in Thousands)

|  | 2003                 | 2002                 | Variance            | % Increase/<br>(Decrease) |
|--|----------------------|----------------------|---------------------|---------------------------|
| Additions                              |                      |                      |                     |                           |
| Employee Contributions                 | \$ 412,101           | \$ 385,190           | \$ 26,911           | 6.99                      |
| Employer Contributions                 | 398,641              | 397,779              | 862                 | 0.22                      |
| Investment Income                      | 2,964,207            | (1,924,450)          | 4,888,657           | 254.03                    |
| Transfers Between Systems              | 4,543                | 4,113                | 430                 | 10.45                     |
| Total Additions                        | 3,779,492            | (1,137,368)          | 4,916,860           | 432.30                    |
| Deductions                             |                      |                      |                     |                           |
| Retirement Allowance Payments          | 1,373,678            | 1,265,009            | 108,669             | 8.59                      |
| Return of Contributions, Unit          |                      |                      |                     |                           |
| Withdrawals, and Death Benefits        | 58,043               | 68,892               | (10,849)            | (15.75)                   |
| Transfers Between Systems              | 4,543                | 4,113                | 430                 | 10.45                     |
| Administrative Expense                 | 13,176               | 12,733               | 443                 | 3.48                      |
| Depreciation                           | 645                  | 626                  | 19                  | 3.04                      |
| Total Deductions                       | 1,450,085            | 1,351,373            | 98,712              | 7.30                      |
| Increase/(Decrease) in Plan Net Assets | 2,329,407            | (2,488,741)          | 4,818,148           | 193.60                    |
| Net Assets - Beginning of Year         | 20,785,696           | 23,274,437           | (2,488,741)         | (10.69)                   |
| Net Assets - End of Year               | <u>\$ 23,115,103</u> | <u>\$ 20,785,696</u> | <u>\$ 2,329,407</u> | 11.21                     |

#### Comparison of Individual Plan Net Assets As of September 30, 2003 and 2002 (Amounts in Thousands)

|        | <br>2003         | <br>2002         | <br>Variance    | % Increase/<br>(Decrease) |
|--------|------------------|------------------|-----------------|---------------------------|
| TRS    | \$<br>15,685,620 | \$<br>14,167,952 | \$<br>1,517,668 | 10.71                     |
| ERS    | 7,222,812        | 6,424,435        | 798,377         | 12.43                     |
| JRF    | <br>206,671      | <br>193,309      | <br>13,362      | 6.91                      |
| Totals | \$<br>23,115,103 | \$<br>20,785,696 | \$<br>2,329,407 | 11.21                     |

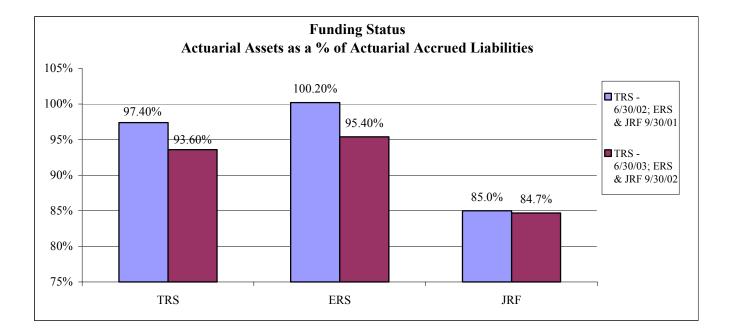
#### **Financial Analysis**

- Receivables decreased by \$30.8 million, primarily due to fixed income securities that were sold or matured during the fiscal year being replaced with fixed income securities with lower coupon rates, which resulted in lower interest receivables.
- Investments increased by \$2.4 billion, investment income increased by \$4.9 billion (previous year investment income was a \$1.9 billion loss), and plan net assets increased by \$2.3 billion, mainly as a result of an upturn in the stock market.
- Retirement allowance payments increased by \$108.7 million due to a 3% cost of living adjustment and normal new retirements.
- Securities lending collateral decreased by \$1.2 billion as a result of the RSA preparing to transition to a new investment custodian.

#### **Funding Status**

The primary objective of a retirement system is to accumulate sufficient assets to pay benefits to participants when due. The principal sources of assets to fund benefits include investment income and member and employer contributions. A five-year smoothing method is used in actuarially valuing assets to limit fluctuations in the contributions from year to year.

The ratio of actuarial assets to actuarial liabilities provides an excellent indication as to whether sufficient assets are being accumulated to pay benefits when due. The following bar graph provides comparisons of the funded ratio (actuarial assets to actuarial liabilities) as of the last two valuations for each System (June 30, 2003 and June 30, 2002, for TRS and September 30, 2002 and September 30, 2001, for ERS and JRF). The funded ratio has decreased slightly in the most recent valuation as a result of downturns in the equities market during the two previous fiscal years. Since a five-year smoothing method is employed to value assets, the funded ratio is likely to continue to decrease over the next few years as the recent losses are incorporated into the smoothing calculations. However, as reflected by the following graph, the TRS, ERS, and JRF continue to operate on an actuarially sound basis and accumulated funds are sufficient to continue to provide benefits as they become due.



#### **Financial Highlights**

- Total assets exceeded total liabilities at September 30, 2003, by \$23.1 billion. Net assets are held in trust to meet future benefit payments.
- The funding level (actuarial value of assets as a percent of actuarial accrued liabilities) as of the latest actuarial valuations was 93.6% for the TRS, 95.4% for the ERS, and 84.7% for the JRF.
- The investment section contains a detailed schedule of investment returns and related benchmarks.

#### RETIREMENT SYSTEMS OF ALABAMA

#### *Financial Section* Combining Statement of Plan Net Assets September 30, 2003 with comparative figures for 2002

#### (Amounts in Thousands)

|  | 2003   |              |                                |               |  |  |
|--|--|--------------|--------------------------------|---------------|--|--|
|  | Teachers' Employees'<br>Retirement Retirement<br>System System |              | Judicial<br>Retirement<br>Fund | Totals        |  |  |
| Assets   |  |              |                                |               |  |  |
| Cash - Restricted for Administrative Expenses (Note 4) | \$ 15,325  | \$ 2,917     | \$ 647                         | \$ 18,889     |  |  |
| Receivables  |  |              |                                |               |  |  |
| Employee Contributions                                 | 19,362   | 8,989        | 111                            | 28,462        |  |  |
| Employer Contributions                                 | 19,541   | 8,337        | 296                            | 28,174        |  |  |
| Dividends and Interest                                 | 156,398  | 73,249       | 1,712                          | 231,359       |  |  |
| Total Receivables                                      | 195,301  | 90,575       | 2,119                          | 287,995       |  |  |
| Investments, at Fair Value (Note 5)                    |  |              |                                |               |  |  |
| Domestic Equity Securities                             | 6,762,794  | 3,285,094    | 107,209                        | 10,155,097    |  |  |
| Domestic Fixed Income Securities                       | 5,509,848  | 2,514,000    | 84,089                         | 8,107,937     |  |  |
| International Securities                               | 1,429,102  | 635,563      | -                              | 2,064,665     |  |  |
| Real Estate  | 940,122  | 454,569      | 2,227                          | 1,396,918     |  |  |
| Short-term Investments                                 | 833,052  | 239,446      | 10,483                         | 1,082,981     |  |  |
| Total Investments                                      | 15,474,918   | 7,128,672    | 204,008                        | 22,807,598    |  |  |
| Invested Securities Lending Collateral (Note 5)        | 2,505  | -            | -                              | 2,505         |  |  |
| Property and Equipment less                            |  |              |                                |               |  |  |
| Accumulated Depreciation (Note 8)                      | 2,763  | 2,117        |                                | 4,880         |  |  |
| Total Assets   | 15,690,812   | 7,224,281    | 206,774                        | 23,121,867    |  |  |
| Liabilities  |  |              |                                |               |  |  |
| Accounts Payable and Other Liabilities                 | 2,687  | 1,469        | 103                            | 4,259         |  |  |
| Securities Lending Collateral (Note 5)                 | 2,505  |              |                                | 2,505         |  |  |
| Total Liabilities                                      | 5,192  | 1,469        | 103                            | 6,764         |  |  |
| Net Assets Held in Trust for Pension Benefits (Note 3) | \$ 15,685,620  | \$ 7,222,812 | \$ 206,671                     | \$ 23,115,103 |  |  |

#### A "Schedule of Funding Progress" is presented on page 34.

See accompanying Notes to the Financial Statements .

|   | 2002                              |                                    |                                |               |  |  |
|---|-----------------------------------|------------------------------------|--------------------------------|---------------|--|--|
|   | Teachers'<br>Retirement<br>System | Employees'<br>Retirement<br>System | Judicial<br>Retirement<br>Fund | Totals        |  |  |
| Assets  |                                   |                                    |                                |               |  |  |
| Cash - Restricted for Administrative Expenses | \$ 15,393                         | \$ 5,379                           | \$ 647                         | \$ 21,419     |  |  |
| Receivables                                   |                                   |                                    |                                |               |  |  |
| Employee Contributions                        | 18,775                            | 8,498                              | 109                            | 27,382        |  |  |
| Employer Contributions                        | 22,480                            | 7,259                              | 286                            | 30,025        |  |  |
| Dividends and Interest                        | 178,606                           | 80,647                             | 2,167                          | 261,420       |  |  |
|   |                                   |                                    |                                |               |  |  |
| Total Receivables                             | 219,861                           | 96,404                             | 2,562                          | 318,827       |  |  |
|   |                                   |                                    |                                |               |  |  |
| Investments, at Fair Value                    |                                   |                                    |                                |               |  |  |
| Domestic Equity Securities                    | 4,839,313                         | 2,472,136                          | 85,963                         | 7,397,412     |  |  |
| Domestic Fixed Income Securities              | 5,901,680                         | 2,618,983                          | 92,961                         | 8,613,624     |  |  |
| International Securities                      | 1,108,812                         | 504,038                            | -                              | 1,612,850     |  |  |
| Real Estate                                   | 900,686                           | 432,015                            | 2,363                          | 1,335,064     |  |  |
| Short-term Investments                        | 1,182,036                         | 295,011                            | 8,913                          | 1,485,960     |  |  |
|   |                                   |                                    |                                |               |  |  |
| Total Investments                             | 13,932,527                        | 6,322,183                          | 190,200                        | 20,444,910    |  |  |
|   |                                   | - ,- ,                             |                                |               |  |  |
| Invested Securities Lending Collateral        | 944,077                           | 236,328                            | 2,364                          | 1,182,769     |  |  |
| in toted Securities Denaing Connectal         | ,,,,,,,,,                         | 200,020                            | <b>_</b> ,2 0 !                | 1,102,703     |  |  |
| Property and Equipment less                   |                                   |                                    |                                |               |  |  |
| Accumulated Depreciation                      | 2,917                             | 2,239                              | -                              | 5,156         |  |  |
|   |                                   |                                    |                                |               |  |  |
| Total Assets                                  | 15,114,775                        | 6,662,533                          | 195,773                        | 21,973,081    |  |  |
|   |                                   |                                    |                                |               |  |  |
| Liabilities                                   |                                   |                                    |                                |               |  |  |
| Accounts Payable and Other Liabilities        | 2,746                             | 1,770                              | 100                            | 4,616         |  |  |
| 5   | ,                                 | ,                                  |                                | ,             |  |  |
| Securities Lending Collateral                 | 944,077                           | 236,328                            | 2,364                          | 1,182,769     |  |  |
|   |                                   |                                    |                                |               |  |  |
| Total Liabilities                             | 946,823                           | 238,098                            | 2,464                          | 1,187,385     |  |  |
|   |                                   |                                    |                                |               |  |  |
| Net Assets Held in Trust for Pension Benefits | \$ 14,167,952                     | \$ 6,424,435                       | \$ 193,309                     | \$ 20,785,696 |  |  |
| <b>5</b>                                      |                                   |                                    |                                |               |  |  |

#### RETIREMENT SYSTEMS OF ALABAMA

#### Financial Section

Combining Statement of Changes in Plan Net Assets For the Fiscal Year Ended September 30, 2003 with comparative figures for 2002

#### (Amounts in Thousands)

|   | 2003          |                         |                                    |    |                                |    |            |
|---|---------------|-------------------------|------------------------------------|----|--------------------------------|----|------------|
|   | Retir         | chers'<br>ement<br>stem | Employees'<br>Retirement<br>System |    | Judicial<br>Retirement<br>Fund |    | Totals     |
| Additions   |               |                         |                                    |    |                                |    |            |
| Contributions                                     |               |                         |                                    |    |                                |    |            |
| Employee  | \$ 2          | 249,996                 | \$ 159,763                         | \$ | 2,342                          | \$ | 412,101    |
| Employer  |               | 235,786                 | 154,218                            |    | 8,637                          |    | 398,641    |
| Transfers from Teachers' Retirement System        |               | -                       | 2,418                              |    | -                              |    | 2,418      |
| Transfers from Employees' Retirement System       |               | 2,022                   | -                                  |    | -                              |    | 2,022      |
| Transfers from Judicial Retirement Fund           |               | -                       | 103                                |    | -                              |    | 103        |
| Total Contributions                               |               | 487,804                 | 316,502                            |    | 10,979                         |    | 815,285    |
| Investment Income (Note 5)                        |               |                         |                                    |    |                                |    |            |
| From Investing Activities                         |               |                         |                                    |    |                                |    |            |
| Net Increase in Fair Value of Investments         | 1,4           | 412,887                 | 668,539                            |    | 12,905                         |    | 2,094,331  |
| Interest and Dividends                            |               | 592,645                 | 271,698                            |    | 7,969                          |    | 872,312    |
| Total Investment Income from Investing Activities | 2,0           | 005,532                 | 940,237                            |    | 20,874                         |    | 2,966,643  |
| Less: Investment Expenses                         |               | 4,432                   | 2,380                              |    | 28                             |    | 6,840      |
| Net Investment Income from Investing Activities   | 2,            | 001,100                 | 937,857                            |    | 20,846                         |    | 2,959,803  |
| From Securities Lending Activities                |               |                         |                                    |    |                                |    |            |
| Securities Lending Income                         |               | 14,215                  | 3,461                              |    | 61                             |    | 17,737     |
| Less Securities Lending Expenses:                 |               | -                       | -                                  |    |                                |    |            |
| Borrower Rebates                                  |               | 10,052                  | 2,131                              |    | 50                             |    | 12,233     |
| Management Fees                                   |               | 832                     | 266                                |    | 2                              |    | 1,100      |
| Total Securities Lending Expenses                 |               | 10,884                  | 2,397                              |    | 52                             |    | 13,333     |
| Net Income from Securities Lending Activities     |               | 3,331                   | 1,064                              | _  | 9                              | _  | 4,404      |
| Total Investment Income                           | 2,            | 004,431                 | 938,921                            |    | 20,855                         |    | 2,964,207  |
| Total Additions                                   | 2,4           | 492,235                 | 1,255,423                          |    | 31,834                         |    | 3,779,492  |
| Deductions  |               |                         |                                    |    |                                |    |            |
| Retirement Allowance Payments                     | (             | 932,687                 | 423,027                            |    | 17,964                         |    | 1,373,678  |
| Return of Contributions and Death Benefits        |               | 32,084                  | 25,056                             |    | 83                             |    | 57,223     |
| Unit Withdrawals                                  |               | -                       | 820                                |    | -                              |    | 820        |
| Transfers to Employees' Retirement System         |               | 2,418                   | -                                  |    | 103                            |    | 2,521      |
| Transfers to Teachers' Retirement System          |               | -                       | 2,022                              |    | -                              |    | 2,022      |
| Administrative Expenses                           |               | 7,011                   | 5,843                              |    | 322                            |    | 13,176     |
| Depreciation (Note 8)                             |               | 367                     | 278                                |    | -                              |    | 645        |
| Total Deductions                                  |               | 974,567                 | 457,046                            |    | 18,472                         |    | 1,450,085  |
| Net Increase                                      | 1,:           | 517,668                 | 798,377                            |    | 13,362                         |    | 2,329,407  |
| Net Assets Held in Trust for Pension Benefits:    |               |                         |                                    |    |                                |    |            |
| Beginning of Year                                 |               | 167,952                 | 6,424,435                          |    | 193,309                        |    | 20,785,696 |
| End of Year                                       | <u>\$ 15,</u> | 685,620                 | \$ 7,222,812                       | \$ | 206,671                        | \$ | 23,115,103 |

See accompanying Notes to the Financial Statements .

|   | 2002                              |                                    |                       |                      |  |
|---|-----------------------------------|------------------------------------|-----------------------|----------------------|--|
|   | Teachers'<br>Retirement<br>System | Employees'<br>Retirement<br>System | Retirement Retirement |                      |  |
| Additions   |                                   |                                    |                       |                      |  |
| Contributions   |                                   |                                    |                       |                      |  |
| Employee  | \$ 233,789                        | \$ 149,130                         | \$ 2,271              | \$ 385,190           |  |
| Employer  | 265,670                           | 123,887                            | 8,222                 | 397,779              |  |
| Transfers from Teachers' Retirement System<br>Transfers from Employees' Retirement System | -<br>1,937                        | 2,091                              | - 85                  | 2,091<br>2,022       |  |
| Total Contributions   | 501,396                           | 275,108                            | 10,578                | 787,082              |  |
|   |                                   | 270,100                            | 10,570                | 101,002              |  |
| Investment Income<br>From Investing Activities  |                                   |                                    |                       |                      |  |
| Net Decrease in Fair Value of Investments   | (1,915,592)                       | (953,188)                          | (33,036)              | (2,901,816)          |  |
| Interest and Dividends  | 672,200                           | 297,845                            | 9,777                 | 979,822              |  |
| Total Investment Income/(Loss) from Investing Activities                                  | (1,243,392)                       | (655,343)                          | (23,259)              | (1,921,994)          |  |
| Less: Investment Expenses   | 4,592                             | 2,331                              | 85                    | 7,008                |  |
| Net Investment Income/(Loss) from Investing Activities                                    | (1,247,984)                       | (657,674)                          | (23,344)              | (1,929,002)          |  |
| From Securities Lending Activities  |                                   |                                    |                       |                      |  |
| Securities Lending Income   | 16,473                            | 5,741                              | 88                    | 22,302               |  |
| Less Securities Lending Expenses:   |                                   |                                    |                       |                      |  |
| Borrower Rebates  | 12,462                            | 4,094                              | 75                    | 16,631               |  |
| Management Fees   | 784                               | 333                                | 2                     | 1,119                |  |
| Total Securities Lending Expenses   | 13,246                            | 4,427                              | 77                    | 17,750               |  |
| Net Income from Securities Lending Activities   | 3,227                             | 1,314                              | 11                    | 4,552                |  |
| Total Investment Income/(Loss)  | (1,244,757)                       | (656,360)                          | (23,333)              | (1,924,450)          |  |
| Total Additions   | (743,361)                         | (381,252)                          | (12,755)              | (1,137,368)          |  |
| Deductions  |                                   |                                    |                       |                      |  |
| Retirement Allowance Payments   | 858,383                           | 389,856                            | 16,770                | 1,265,009            |  |
| Return of Contributions and Death Benefits<br>Unit Withdrawals                            | 35,510                            | 24,965<br>8,388                    | 29                    | 60,504               |  |
| Transfers to Employees' Retirement System   | 2,091                             | 0,300                              | -                     | 8,388<br>2,091       |  |
| Transfers to Teachers' Retirement System  |                                   | 1,937                              | -                     | 1,937                |  |
| Transfers to Judicial Retirement Fund   | -                                 | 85                                 | -                     | 85                   |  |
| Administrative Expenses   | 6,845                             | 5,582                              | 306                   | 12,733               |  |
| Depreciation  | 391                               | 235                                |                       | 626                  |  |
| Total Deductions  | 903,220                           | 431,048                            | 17,105                | 1,351,373            |  |
| Net Decrease  | (1,646,581)                       | (812,300)                          | (29,860)              | (2,488,741)          |  |
| Net Assets Held in Trust for Pension Benefits:  |                                   |                                    |                       |                      |  |
| Beginning of Year   | 15,814,533                        | 7,236,735                          | 223,169               | 23,274,437           |  |
| End of Year   | <u>\$ 14,167,952</u>              | \$ 6,424,435                       | <u>\$ 193,309</u>     | <u>\$ 20,785,696</u> |  |

#### (Dollar Amounts in Thousands)

#### 1) PLAN DESCRIPTION

The Teachers' Retirement System (TRS), Employees' Retirement System (ERS), and Judicial Retirement Fund (JRF) operate under common management and are collectively referred to as the Retirement Systems of Alabama (RSA or Systems). In addition to executive management, the TRS, ERS, and JRF share investment management, accounting, and information system services, the costs of which are allocated to the funds on an equitable basis.

The TRS, a cost-sharing multiple-employer public employee retirement plan, was established as of September 15, 1939, under the provisions of Act 419 of the Legislature of 1939 for the purpose of providing retirement allowances and other specified benefits for qualified persons employed by Statesupported educational institutions. The responsibility for the general administration and operation of the TRS is vested in its Board of Control.

The ERS, an agent multiple-employer public employee retirement plan, was established as of October 1, 1945, under the provisions of Act 515 of the Legislature of 1945. The purpose of the ERS is to provide retirement allowances and other specified benefits for State employees, State police, and on an elective basis, to all cities, counties, towns, and quasi-public organizations. The responsibility for the general administration and operation of the ERS is vested in its Board of Control. The JRF, a cost-sharing multiple-employer public employee retirement plan, was established as of September 18, 1973, under the provisions of Act Number 1163 of the Legislature of 1973 for the purpose of providing retirement allowances and other specified benefits for any Justice of the Supreme Court of Alabama, Judge of the Court of Civil Appeals, Judge of the Court of Criminal Appeals, Judge of the Circuit Court, or office holder of any newly created judicial office receiving compensation from the State Treasury. Act Number 1205 of the Legislature of 1975 supplemented the provisions of Act Number 1163 and enlarged the scope and coverage of the JRF to include District and Probate Judges. The responsibility for the general administration and operation of the JRF is vested in the Board of Control of the ERS.

At September 30, 2003, the number of participating units in each system was as follows:

|                                  | TRS | ERS |
|----------------------------------|-----|-----|
| Cities                           | -   | 260 |
| Counties                         | -   | 64  |
| Other Public Entities            | -   | 461 |
| Universities                     | 13  | -   |
| Post-Secondary Institutions      | 28  | -   |
| City and County Bds of Education | 128 | -   |
| State Agencies & Other           | 33  |     |
| Totals                           | 202 | 785 |

|   | TRS     | ERS     | JRF |
|---|---------|---------|-----|
| Retirees and beneficiaries currently      |         |         |     |
| receiving benefits:                       |         |         |     |
| General                                   | 53,552  | 15,214  | 269 |
| State Police                              | -       | 699     | -   |
| Employees of Local Employers              | -       | 12,074  | -   |
| Deferred Retirement Option Plan (DROP)    | 2,711   | 428     | -   |
| Terminated employees entitled to benefits |         |         |     |
| but not yet receiving benefits:           |         |         |     |
| General                                   | 16,250  | 2,844   | 108 |
| State Police                              | -       | 10      | -   |
| Employees of Local Employers              | -       | 6,044   | -   |
| Active employees:                         |         |         |     |
| General                                   | 129,617 | 33,358  | 331 |
| State Police                              | -       | 693     | -   |
| Employees of Local Employers              | -       | 47,494  | -   |
| Totals                                    | 202,130 | 118,858 | 708 |

At the date of the latest actuarial valuation as presented in the Notes to the Required Supplementary Information, membership consisted of:

State law establishes retirement benefits as well as death and disability benefits and any ad hoc increase in postretirement benefits for the TRS, ERS, and JRF. Benefits for TRS and ERS members vest after 10 years of credited service. Teachers and state employees who retire after age 60 (52 for state police) with 10 years or more of credited service or with 25 years of service (regardless of age) are entitled to an annual retirement benefit, payable monthly for life. Local employees who retire after age 60 with 10 years or more of credited service or with 25 or 30 years of service (regardless of age), depending on the particular entity's election, are entitled to an annual retirement benefit, payable monthly for life. Service and disability retirement benefits are based on a guaranteed minimum or a formula method, with the member receiving payment under the method that yields the highest monthly benefit. Under the formula method, members of the TRS and ERS (except State Police) are allowed 2.0125% of their average final compensation (highest 3 of the last 10 years) for each year of service. State Police are allowed 2.875% for each year of state police service in computing the formula method.

The JRF benefits vest from five to eighteen years. Except for justices or judges who were either

disabled, elected prior to July 30, 1979, or have at least 25 years of credited service, no justice or judge is eligible to receive judicial service retirement pay prior to attaining sixty years of age. Service retirement benefits for justices and judges are dependent upon the particular office held in the judicial branch of government. A retirement benefit is payable upon the request of any member who has: (1) 25 years of credited service (regardless of age), (2) completed 12 years of credited service and has attained age 65, (3) completed 15 years of credited service and whose age plus service equals or exceeds 77, (4) completed at least 18 years of credited service or three full terms as a judge or justice and has attained age 65, (5) completed 10 years of credited service and has attained age 70 or (6) been elected prior to July 30, 1979 and has 18 years of service (regardless of age). A member eligible to retire who has not requested his or her retirement benefit to commence at the end of the term in which the member's seventieth birthday occurs is entitled only to the refund of his or her contributions (except for members with at least 25 years of credited service).

The service retirement benefit for a member other than a probate judge is equal to 75% of the state-paid salary prescribed by law for the position from which the member retires. If a probate judge is paid on a

#### (Dollar Amounts in Thousands)

fee basis, the service retirement benefit is equal to 90% of the benefit payable to a circuit judge on the date such judge retires. If a probate judge is paid on a salary basis, the benefit is equal to 75% of the salary upon which such judge contributes immediately prior to retirement.

Covered members of the TRS and ERS (except state police and certified law enforcement, correctional officers and firemen) are required by statute to contribute 5% of earnable compensation to the TRS and ERS. State police members of the ERS contribute 10% of earnable compensation. JRF members and certified law enforcement, correctional officers, and firemen members of the TRS and ERS are required to contribute 6% of earnable compensation.

#### 2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### A. Basis of Accounting

The TRS, ERS, and JRF financial statements are prepared using the accrual basis of accounting. Contributions are recognized as revenues when earned, pursuant to plan requirements. Benefits and refunds are recognized when due and payable in accordance with the terms of the plans. Expenses are recognized when the corresponding liability is incurred, regardless of when the payment is made. The accompanying financial statements are prepared accordance with requirements of in the Governmental Accounting Standards Board (GASB). Under these requirements, the TRS, ERS, and JRF are considered component units of the State of Alabama and are included in the State's Comprehensive Annual Financial Report.

#### **B.** Investments

The Boards of Control of the Systems have the responsibility and authority to invest and reinvest available funds, through the Secretary-Treasurer and Investment Committee, in bonds, mortgage-backed securities, common and preferred stock, and other investment vehicles with the care, skill, prudence,

and diligence under the circumstances then prevailing that a prudent person acting in a like capacity and familiar with such matters would use. All plan assets are carried at fair value. Securities traded on national or international exchanges are valued at the last reported sales price at current exchange rates. Short-term investments are reported at cost, which approximates fair value. Mortgagebacked securities are reported based on future principal and interest payments discounted at the prevailing interest rate for similar instruments. The fair value of real estate investments is based on independent appraisals. Generally, private placements are valued based on the selling price of similar investments sold in the open market. In those instances where there are no similar investments sold in the open market, an appraisal is performed to determine the fair value of the private placements.

#### C. Comparative Combining Statements

The basic financial statements include the prior year Combining Statement of Plan Net Assets and Combining Statement of Changes in Plan Net Assets (Statements) for comparative purposes only. Prioryear Note Disclosures are not included. Therefore, the prior year basic financial statement presentation does not meet the minimum level of detail required for a presentation in conformity with generally accepted accounting principles. Accordingly, the prior year Statements should be read in conjunction with the RSA's prior year financial report from which the prior year Statements were derived.

#### 3) LEGALLY REQUIRED RESERVES

#### A. Annuity Savings

Member contributions are credited to the Annuity Savings account. Interest at 4% per annum is credited to the annuity savings account of each member on the basis of the average of the beginning and end of year balances (as of June 30 for the TRS and September 30 for the ERS and JRF).

When a member withdraws from service prior to becoming vested, the member's accumulated contributions and a portion of accumulated interest credited to the Annuity Savings account are returned to the member. The portion of accumulated interest that, by law, is not payable to the member is transferred to the Expense fund.

When a TRS or ERS member dies prior to becoming eligible for retirement, the member's accumulated contributions and accumulated interest credited to the Annuity Savings account are returned to the member's designated beneficiary. If the preretirement death benefit defined below is not payable, an additional death benefit equal to the member's accumulated contributions, up to five thousand dollars, is paid from the Pension Accumulation account to the member's beneficiary.

When a member retires or when a survivor allowance becomes payable, the amount of the member's accumulated contributions and accumulated interest is transferred from the Annuity Savings account to the Pension Accumulation account.

#### **B.** Pension Accumulation

The Pension Accumulation account is credited with contributions made by the employer and net investment income. The lump sum death benefit is paid from this account when a TRS or ERS member dies prior to becoming eligible for the preretirement death benefit or retirement. Periodic interest representing member's earnings is transferred from the Pension Accumulation account to the Annuity Savings account. When a TRS, ERS, or JRF member retires or when a survivor allowance becomes payable, the member's accumulated contributions and accumulated interest is credited to the pension accumulation account, and all monthly benefit payments are paid from this account.

#### C. Preretirement Death Benefit

The Preretirement Death Benefit (PRDB) account (established October 1, 1983, under the provisions of Act 616 of the Legislature of 1983) is credited with contributions made by TRS and ERS employers and investment income on such funds. The preretirement death benefit (in the form of group term life insurance) is paid in addition to the return of member contributions upon the death of an active TRS or ERS member who has completed at least one year of active membership in the system and whose date of death was within 180 days of such member's last date of actual service. However, a surviving spouse beneficiary of a deceased member who was eligible for service retirement may elect a survivor allowance in lieu of this benefit. The pre-retirement death benefit is equal to the annual earnable compensation of the member as reported to the System for the preceding year ending June 30 for the TRS and September 30 for the ERS. There is no PRDB available for JRF members.

#### D. Term Life Insurance

The Alabama Teacher's Group Term Life Insurance Plan (established October 1, 1987) is credited with a portion of the employer contributions. All active contributing members of the TRS are covered by this plan. Contingent on availability of funds, upon death, a benefit is paid to the designated beneficiary of an insured member of the TRS. Beneficiaries of fulltime employees receive fifteen thousand dollars while beneficiaries of part-time employees receive a pro-rated amount of fifteen thousand dollars.

#### E. Expense

A portion of the employer contributions and the interest not payable upon member withdrawal is credited to the Expense fund. The majority of expenses are directly identifiable as expenses of the TRS, ERS, or JRF. As discussed in Note 1, certain administrative salaries and other expenses are shared on an equitable basis between the TRS and ERS.

#### F. Deferred Retirement Option Plan (DROP)

The DROP was established for election to participate on or after June 1, 2002, under the provisions of Act 23 of the Legislature of 2002. Eligible members may elect to retire, and, in lieu of immediate withdrawal of service, continue employment for a period of three to five years. The retirement allowance, employee contributions, and interest earned are accumulated in an account for the benefit of the member. At the end of participation, the account balance is paid to the

#### (Dollar Amounts in Thousands)

member. DROP participation is an option available to eligible members that have at least twenty-five years of service (exclusive of sick leave), are at least

#### G. Reserves

The reserves of the RSA are funded to the full extent required by statute. The reserve balances as of September 30, 2003, are as follows:

|                                 | <br>TRS         | <br>ERS         | <br>JRF      |
|---------------------------------|-----------------|-----------------|--------------|
| Annuity Savings                 | \$<br>2,720,928 | \$<br>1,484,794 | \$<br>25,012 |
| Pension Accumulation            | 12,824,494      | 5,691,735       | 181,136      |
| Preretirement Death Benefit     | 9,636           | 15,257          | -            |
| Term Life Insurance             | 10,870          | -               | -            |
| Deferred Retirement Option Plan | 102,902         | 26,978          | -            |
| Expense                         | 14,027          | 1,931           | 523          |

#### 4) CASH

Cash consists of deposits held by the State Treasurer in the respective retirement system's name and is fully insured or collaterallized with collateral held by the State Treasurer or the State Treasurer's agent in the name of the State Treasurer. Virtually all cash on hand at September 30 was restricted for administrative purposes.

#### **5) INVESTMENTS**

#### A. Investment Credit Risk

The investments of the TRS, ERS, and JRF are summarized in the following tables by type of investment and are categorized based on the level of custodial credit risk. Investments that are insured, registered in the name of the respective retirement system, held by the system, the systems' safekeeping agent in the systems' name, or the State Treasurer in the systems' name are listed in the RSA column. Those investments that are uninsured, unregistered, and held by the broker, dealer, or the respective retirement systems' safekeeping agent, but not in the respective retirement systems' name, are shown in the Agent column. Fair value and cost are shown for each type of investment.

fifty-five years of age, and are eligible for service retirement. See the actuarial section for additional information.

#### INVESTMENT CREDIT RISK

TRS

| RSA  |                    | 21       | Fair Value<br>Agent | Total            | Cost             |
|--|--------------------|----------|---------------------|------------------|------------------|
| Investments Categorized                      |                    |          | <u> </u>            |                  |                  |
| From Investing Activities                    |                    |          |                     |                  |                  |
| Commercial Paper                             | \$                 | - \$     | 393,041             | \$<br>393,041    | \$<br>393,041    |
| U.S. Government Guaranteed Bonds             | 41,20              | 3        | -                   | 41,203           | 40,328           |
| U.S. Agency Securities                       | 635,47             | 8        | -                   | 635,478          | 624,732          |
| Mortgage-backed Securities                   | 168,07             | 5        | -                   | 168,075          | 154,019          |
| Domestic Corporate Bonds                     | 2,055,77           | 7        | -                   | 2,055,777        | 2,033,897        |
| Domestic Common and Preferred Stocks         | 6,762,79           | 4        | -                   | 6,762,794        | 6,125,196        |
| International Securities                     |                    |          | 1,428,851           | <br>1,428,851    | <br>1,622,189    |
| Totals From Investing Activities             | 9,663,32           | 7        | 1,821,892           | <br>11,485,219   | <br>10,993,402   |
| From Securities Lending Activities           |                    |          |                     |                  |                  |
| Repurchase Agreements                        |                    | <u> </u> | 2,505               | <br>2,505        | <br>2,505        |
| Total Investments Categorized                | \$ 9,663,32        | 7 \$     | 1,824,397           | <br>11,487,724   | <br>10,995,907   |
| Investments Not Categorized                  |                    |          |                     |                  |                  |
| From Investing Activities                    |                    |          |                     |                  |                  |
| Securities Lent Under Securities Lending for | Cash Collateral    |          |                     |                  |                  |
| Domestic Corporate Bonds                     |                    |          |                     | 2,190            | 2,190            |
| International Securities                     |                    |          |                     | 251              | 251              |
| Mutual and Money Market Funds                |                    |          |                     | 440,011          | 440,011          |
| Private Placements                           |                    |          |                     | 2,607,125        | 3,010,804        |
| Real Estate                                  |                    |          |                     | <br>940,122      | <br>509,035      |
| Totals From Investing Activities             |                    |          |                     | <br>3,989,699    | <br>3,962,291    |
| Total Investments                            |                    |          |                     | 15,477,423       | 14,958,198       |
| Less Securities Purchased with Securities    | Lending Cash Colla | iteral   |                     | (2,505)          | (2,505)          |
| Total Investments per Statement of Plan      | Net Assets         |          |                     | \$<br>15,474,918 | \$<br>14,955,693 |

#### (Dollar Amounts in Thousands)

#### INVESTMENT CREDIT RISK ERS

|  | At Fair Value |        |         |    |           |    |           |
|--|---------------|--------|---------|----|-----------|----|-----------|
|  | RSA           | Agent  |         |    | Total     |    | Cost      |
| Investments Categorized                            |               |        |         |    |           |    |           |
| Commercial Paper                                   | \$ -          | \$     | 97,611  | \$ | 97,611    | \$ | 97,611    |
| U.S. Government Guaranteed Bonds                   | 20,352        |        | -       |    | 20,352    |    | 19,920    |
| U.S. Agency Securities                             | 282,730       |        | -       |    | 282,730   |    | 276,198   |
| Mortgage-backed Securities                         | 66,067        | 66,067 |         |    | 66,067    |    | 60,623    |
| Domestic Corporate Bonds                           | 906,236       |        | -       |    | 906,236   |    | 898,320   |
| Domestic Common and Preferred Stocks               | 3,285,094     |        | -       |    | 3,285,094 |    | 3,030,091 |
| International Securities                           |               |        | 635,563 |    | 635,563   |    | 710,310   |
| Totals Investments Categorized                     | \$ 4,560,479  | \$     | 733,174 |    | 5,293,653 |    | 5,093,073 |
| Investments Not Categorized                        |               |        |         |    |           |    |           |
| Money Market and Mutual Funds                      |               |        |         |    | 141,835   |    | 141,835   |
| Private Placements                                 |               |        |         |    | 1,238,615 |    | 1,439,821 |
| Real Estate  |               |        |         |    | 454,569   |    | 253,111   |
| Total Investments Not Categorized                  |               |        |         |    | 1,835,019 | _  | 1,834,767 |
| Total Investments per Statement of Plan Net Assets |               |        |         |    | 7,128,672 | \$ | 6,927,840 |

#### INVESTMENT CREDIT RISK JRF

|  | At Fair Value |         |       |       |       |         |               |
|--|---------------|---------|-------|-------|-------|---------|---------------|
|  | RSA           |         | Agent |       | Total |         | <br>Cost      |
| Investments Categorized                  |               |         |       |       |       |         |               |
| Commercial Paper                         | \$            | -       | \$    | 2,078 | \$    | 2,078   | \$<br>2,078   |
| U.S. Agency Securities                   |               | 18,610  |       |       |       | 18,610  | 18,277        |
| Mortgage-backed Securities               |               | 1,037   |       |       |       | 1,037   | 966           |
| Domestic Corporate Bonds                 |               | 46,540  |       |       |       | 46,540  | 54,794        |
| Domestic Common and Preferred Stocks     |               | 107,209 |       |       |       | 107,209 | <br>73,657    |
| Total Investments Categorized            | \$            | 173,396 | \$    | 2,078 |       | 175,474 | <br>149,772   |
| Investments Not Categorized              |               |         |       |       |       |         |               |
| Money Market and Mutual Funds            |               |         |       |       |       | 8,405   | 8,405         |
| Private Placements                       |               |         |       |       |       | 17,902  | 19,747        |
| Real Estate                              |               |         |       |       |       | 2,227   | <br>892       |
| Total Investments Not Categorized        |               |         |       |       |       | 28,534  | <br>29,044    |
| Total Investments per Statement of Net A | ssets         |         |       |       | \$    | 204,008 | \$<br>178,816 |

#### **B.** Concentration of Investments

As of September 30, 2003, the TRS and ERS owned debt and equity securities of Raycom Media Corporation, which represented approximately 8.2% and 11.6%, respectively, of the net assets held in trust for pension benefits. Also, the TRS and ERS owned debt and equity securities of Community News Corporation, which represented approximately 7.5% and 6.3%, respectively, of the net assets held in trust for pension benefits. As of September 30, 2003, JRF owned debt securities in Texas Utilities Electric, which represented 5.1% of the net assets held in trust for pension benefits.

#### C. Securities Lending Program

The TRS, ERS, and JRF are authorized by the Boards of Control to participate in a securities lending program. The Systems' custodian, J P Morgan Chase and Company, administers the program. Certain securities from the TRS, ERS, and JRF are loaned to borrowers approved by the Systems. Approved

borrowers of securities provide acceptable collateral in the form of cash, U.S. Treasury securities, or U.S. Government Agency securities. All security loans are open loans and can be terminated on demand by the TRS, ERS, JRF, or borrower. At the inception of each loan, collateral must be provided in the amount of 105% and 102% of the fair value of the loaned securities for international and U.S. equity securities, respectively. Subsequently, collateral for each loan is allowed to fluctuate between the initial required percentage and 100% of the fair value of the loaned securities. If the fair value of the collateral falls below 100% of the fair value of the loaned securities, additional collateral is required to restore the collateralized amount to the initial required collateralization. All collateral remains in the exclusive possession of the Systems' custodial agent who is responsible for marking the collateral to fair value each day and ensuring that the loaned securities are properly collateralized at all times.

The TRS, ERS, and JRF cannot pledge or sell collateral securities received unless the borrower defaults. Therefore, securities lent that are collaterallized by other securities are categorized in the investment credit risk table based on how the

#### (Dollar Amounts in Thousands)

collateral received is held. The securities received as collateral are not categorized since these securities cannot be sold or pledged without borrower default.

Cash collateral is invested in a dedicated short-term investment fund in the respective systems' name using investment guidelines provided by the TRS, ERS, and JRF.

As a result, the securities purchased with cash collateral are categorized in the investment credit risk tables based on how they are held. The securities lent are included in the investment credit risk tables in the "Investments Not Categorized" section of the table. As of September 30, 2003, the cash collateral investments had a weighted-average maturity of 1 day for the TRS. Also, the average term of the loans was 1 day for the TRS. As of September 30, 2003, the ERS and JRF did not have any outstanding balances related to securities lending. There is no direct matching of the maturities of the loans with the investments made with cash collateral.

At September 30, 2003, the fair value of the securities on loan was \$2,441 for the TRS. The fair value of the collateral pledged by the borrowers was \$2,505 for the TRS. Since the amounts owed by the TRS exceeded the amounts the borrowers owed to the TRS, there was no credit risk exposure as of September 30, 2003. There were no significant violations of legal or contractual provisions, no borrower or lending agent default losses, and no recoveries of prior period losses during the year.

#### D. Mortgage-backed Securities

The Systems periodically invest in mortgage-backed securities to improve yield and adjust the duration of the Systems' fixed income portfolio. These securities are subject to change in fair value due to changes in interest rates. Credit risk (the risk that the counterparty might be unable to meet its obligations) results from the same considerations as other counterparty risk assumed by the Systems.

#### 6) FUNDING STATUS AND PROGRESS

State law provides that the Boards of Control engage an actuary to prepare an annual valuation of the assets and liabilities of the various reserve funds. Under the provisions of GASB Statement No. 25, *Financial Reporting for Defined Benefit Plans and Note Disclosures for Defined Contribution Plans,* the actuary determines the "unfunded actuarial liability." The "unfunded actuarial liability" is the difference between the actuarial value of assets and the actuarial accrued liability.

Significant actuarial assumptions used and results from the most recent actuarial valuations are presented in the "Notes to the Required Supplementary Information."

#### 7) CONTRIBUTIONS REQUIRED AND MADE

The actuary has computed, as of the date of the latest available actuarial valuation (June 30, 2003, for the TRS and September 30, 2002, for the ERS and JRF), the estimated present value of benefits payable to retired members, beneficiaries, and active members. The actuarial valuations for the TRS and ERS are prepared using the entry age method, while the JRF valuation utilized the projected unit credit method. The present value of all expected benefits payable from each system to the present group of members and beneficiaries is calculated by adding the present value of the expected benefits payable to the active members to the present value of the expected future payments to retired members and beneficiaries.

As required by statute, the TRS, ERS, and JRF provide for employer contributions at actuarially determined rates (expressed as percentages of annual covered payroll) that accumulate sufficient assets to pay benefits when due. The employer contributions required to support the benefits of each system are determined following a level funding approach and consist of a normal contribution, an accrued liability contribution, and a portion to finance administrative costs.

For the TRS and ERS, the normal contribution is determined using the "entry age normal" method.

Under this method, a calculation is made to determine the uniform and constant percentage rate of employer contributions which, if applied to the compensation of the average new member during the entire period of the member's anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on the member's behalf.

For the JRF, the normal contribution is determined using the "projected accrued benefit" (unit-credit) method. Under this method, the benefits of each individual included in an actuarial valuation are allocated by a consistent formula to valuation years. The actuarial gains (losses), as they occur, generally reduce (increase) the unfunded actuarial accrued liability.

The 2003 retirement contributions were made in accordance with actuarially determined contribution requirements.

#### 8) PROPERTY AND EQUIPMENT

Plan assets used in plan operations are reported at historical cost less accumulated depreciation. Depreciation is determined on the straight-line basis using estimated useful lives of 30 years for buildings and 3 to 10 years for furniture and equipment.

Property and equipment was comprised of the following amounts as of September 30, 2003:

|                              | TRS      | ERS      |
|------------------------------|----------|----------|
| Land                         | \$ 691   | \$ 499   |
| Building and Improvements    | 4,678    | 3,405    |
| Furniture and Equipment      | 2,085    | 1,249    |
| Total Property and Equipment | 7,454    | 5,153    |
| Less Accum Depreciation      | (4,691)  | (3,036)  |
| Net Property and Equipment   | \$ 2,763 | \$ 2,117 |

#### 9) OTHER POSTEMPLOYMENT BENEFITS

In addition to the pension benefits described in Note 1, the TRS, ERS, and JRF (as agencies of the State of Alabama) participate in the State Employees' Health Insurance Plan (SEHIP).

The SEHIP provides postretirement health care benefits, in accordance with State statute, to all TRS, ERS, and JRF employees who retire with a retirement benefit payable from the TRS, ERS, or JRF. The SEHIP provides a fixed amount equal to the Medicare eligible premium (presently one hundred ten dollars per month) for each retiree. Those retirees who are not Medicare eligible must pay the difference to maintain the insurance. Under the SEHIP statute, the fixed amount per month per retiree is funded on a pay-as-you-go basis through the premiums each agency pays for its active employees. During the fiscal year 2003, the estimated portion of health insurance premiums paid and included in administrative expense by the TRS, ERS, and JRF on behalf of retirees was \$78, \$66, and \$1, respectively.

#### **10) PENSION PLAN FOR RSA EMPLOYEES**

A portion of the RSA employees participates in the TRS pension plan, which is a cost sharing plan, and a portion of the RSA employees participates in the ERS pension plan, which is an agent multipleemployer pension plan. As a component unit, RSA employees participating in the ERS pension plan are valued with all other State of Alabama employees, and therefore, report under the requirements of a cost sharing unit.

Contributions were made to each plan in accordance with actuarially determined contribution requirements.

## (Dollar Amounts in Thousands)

A schedule of Employer Contributions is shown below:

|     |             | Annual        |             |
|-----|-------------|---------------|-------------|
|     | Fiscal Year | Required      | Percentage  |
|     | Ended       | Contributions | Contributed |
| TRS | 2003        | \$ 313        | 100         |
|     | 2002        | 345           | 100         |
|     | 2001        | 326           | 100         |
| ERS | 2003        | 178           | 100         |
|     | 2002        | 160           | 100         |
|     | 2001        | 140           | 100         |

#### **11) TREND INFORMATION**

The schedules of funding progress and employer contributions, as required by GASB Statement No. 25, are presented in the Required Supplementary Information section.

#### **12) RELATED PARTY TRANSACTIONS**

The TRS and ERS jointly own office buildings in Montgomery and lease office space to agencies of the State of Alabama. These agencies are obligated to the TRS and ERS to lease space for varying terms through the year 2012. Rental payments (reported as investment income) from leases with state agencies totaled \$14,809 during the 2003 fiscal year. (Dollar Amounts in Thousands)

#### 1) CONTRIBUTIONS

Contributions were made in accordance with actuarially determined contribution requirements. The employer cost rate expressed as a percent of payroll is determined annually by reviewing a variety of factors including benefits promised, member contributions, investment earnings, mortality, and withdrawal experience.

The employer cost rates for the fiscal year 2003-2004 are 6.56% for the TRS, 4.19% for the ERS - State Employees, 13.87% for the ERS - State Police and 21.93% for the JRF. Local agency rates differ for each agency.

#### 2) ANALYSIS OF FUNDING PROGRESS

Analysis of the dollar amounts of the actuarial value of assets, the actuarial accrued liability, and the unfunded actuarial accrued liability in isolation may be misleading. Expressing the actuarial value of assets as a percentage of the actuarial accrued liability provides one indication of the respective retirement system's funding status on a going-concern basis. Analysis of this percentage over time indicates whether the respective system is becoming financially stronger or weaker. Generally, the greater this percentage, the stronger the respective retirement system. Trends in the unfunded actuarial accrued liability and the annual covered payroll are both affected by inflation.

Expressing the unfunded actuarial accrued liability as a percentage of annual covered payroll approximately adjusts for the effects of inflation and aids analysis of the respective retirement system's progress made in accumulating sufficient assets to pay benefits when due. Generally, the smaller this percentage, the stronger the respective retirement system.

The following schedules provide information concerning funding progress, employer contributions, and actuarial assumptions.

# *Financial Section* Required Supplementary Information For the Fiscal Year Ended September 30, 2003

# (Dollar Amounts in Thousands)

| Actuarial<br>Valuation<br>Date                              | Actuarial<br>Value of<br>Assets                  | Actuarial<br>Accrued<br>Liability<br>(AAL)       | Unfunded/<br>(Overfunded)<br>AAL<br>(UAAL)    | Percentage<br>Funded            | Annual<br>Covered<br>Payroll                     | UAAL<br>as a %<br>of Covered<br>Payroll |
|---|--|--|---|---------------------------------|--|---|
|   | (A)  | <b>(B)</b>                                       | (B-A)   | (A/B)                           | (C)  | ((B-A)/C)                               |
| TRS   |  |  |   |                                 |  |   |
| 06/30/2003  | \$18,110,470                                     | \$ 19,357,735                                    | \$ 1,247,265                                  | 93.6                            | \$4,632,611                                      | 26.9                                    |
| 06/30/2002  | 17,904,881                                       | 18,374,174                                       | 469,293                                       | 97.4                            | 4,379,183  | 10.7                                    |
| 06/30/2001  | 17,475,298                                       | 17,238,616                                       | (236,682)                                     | 101.4                           | 4,305,080  | (5.5)                                   |
| 06/30/2000  | 16,703,929                                       | 16,291,462                                       | (412,467)                                     | 102.5                           | 4,131,904  | (10.0)                                  |
| 06/30/1999  | 15,642,066                                       | 15,568,192                                       | (73,874)                                      | 100.5                           | 3,964,112  | (1.9)                                   |
| 06/30/1998  | 14,533,824                                       | 14,601,426                                       | 67,602  | 99.5                            | 3,937,739  | 1.7                                     |
| ERS<br>09/30/2002<br>09/30/2001<br>09/30/2000<br>09/30/1999 | 8,100,846<br>8,028,471<br>7,769,122<br>7,302,046 | 8,493,469<br>8,010,123<br>7,403,968<br>6,884,355 | 392,623<br>(18,348)<br>(365,154)<br>(417,691) | 95.4<br>100.2<br>104.9<br>106.1 | 2,547,775<br>2,408,543<br>2,278,637<br>2,159,608 | 15.4<br>(0.8)<br>(16.0)<br>(19.3)       |
| 09/30/1999  | 6,888,446  | 6,564,079  | (324,367)                                     | 100.1                           | 2,061,104  | (15.7)                                  |
| 09/30/1997  | 6,463,795  | 5,818,097  | (645,698)                                     | 111.1                           | 1,970,922  | (32.8)                                  |
| JRF   |  |  |   |                                 |  |   |
| 09/30/2002  | 245,425  | 289,858  | 44,433  | 84.7                            | 39,763   | 111.7                                   |
| 09/30/2001  | 245,705  | 289,044  | 43,339  | 85.0                            | 38,694   | 112.0                                   |
| 09/30/2000  | 239,023  | 268,598  | 29,575  | 89.0                            | 40,325   | 73.3                                    |
| 09/30/1999  | 221,926  | 263,491  | 41,565  | 84.2                            | 40,499   | 102.6                                   |
| 09/30/1998<br>09/30/1997                                    | 210,116<br>198,014                               | 246,177<br>190,572                               | 36,061<br>(7,442)                             | 85.4<br>103.9                   | 39,060<br>30,742                                 | 92.3<br>(24.2)                          |

#### SCHEDULE OF FUNDING PROGRESS

See Notes to the Required Supplementary Information .

| Fiscal Year<br>Ended | Annual Required<br><u>Contribution</u> | Percentage<br>Contributed |
|----------------------|--|---------------------------|
| TRS                  |  |                           |
| 09/30/2003           | \$ 235,786                             | 100                       |
| 09/30/2002           | 265,670                                | 100                       |
| 09/30/2001           | 279,880                                | 100                       |
| 09/30/2000           | 277,180                                | 100                       |
| 09/30/1999           | 166,100                                | 100                       |
| 09/30/1998           | 358,088                                | 100                       |
| ERS                  |  |                           |
| 09/30/2003           | 154,218                                | 100                       |
| 09/30/2002           | 123,887                                | 100                       |
| 09/30/2001           | 122,483                                | 100                       |
| 09/30/2000           | 113,991                                | 100                       |
| 09/30/1999           | 97,373                                 | 100                       |
| 09/30/1998           | 157,246                                | 100                       |
| JRF                  |  |                           |
| 09/30/2003           | 8,637                                  | 100                       |
| 09/30/2002           | 8,222                                  | 100                       |
| 09/30/2001           | 7,598                                  | 100                       |
| 09/30/2000           | 5,696                                  | 100                       |
| 09/30/1999           | 2,870                                  | 100                       |
| 09/30/1998           | 5,417                                  | 100                       |

# SCHEDULE OF EMPLOYER CONTRIBUTIONS

See Notes to the Required Supplementary Information.

# *Financial Section* Notes to the Required Supplementary Information For the Fiscal Year Ended September 30, 2003

# ACTUARIAL ASSUMPTIONS

|  | TRS                            | ERS                                     | JRF                    |
|--|--------------------------------|---|------------------------|
| Valuation date   | June 30, 2003                  | September 30, 2002                      | September 30, 2002     |
| Actuarial cost method                                    | Entry age                      | Entry age                               | Projected unit credit  |
| Asset valuation method                                   | 5-year<br>market related value | 5-year smoothed market                  | 5-year smoothed market |
| Amortization method                                      | Level percent open             | Level percent open                      | Level percent open     |
| Remaining amortization period including cost of living † | 10 years                       | Within 40 years -<br>varies by employer | 20 years               |
| Actuarial assumptions:                                   |                                | varies by employer                      |                        |
| Investment rate of return ‡                              | 8%                             | 8%                                      | 8%                     |
| Future salary increases ‡                                | 5.00%-7.75%                    | 4.61%-7.75%                             | 5%                     |
| Cost of living increases                                 | None                           | None                                    | None                   |

<sup>†</sup> The State of Alabama has restrictions on the length of the amortization period. The remaining amortization period for the ERS, excluding COLAS, is between 10 and 20 years (varies by employers).

‡ Includes inflation at 4.5%.

# *Financial Section* Schedule of Administrative Expenses For the Fiscal Year Ended September 30, 2003

# (Amounts in Thousands)

|                                      | Ret       | achers'<br>irement<br>ystem | rement Retirement |       |           |     | ,  | Totals |
|--------------------------------------|-----------|-----------------------------|-------------------|-------|-----------|-----|----|--------|
| Personal Services:                   |           |                             |                   |       |           |     |    |        |
| Salaries                             | \$        | 3,650                       | \$                | 2,996 | \$        | 268 | \$ | 6,914  |
| Employee Fringe Benefits             |           | 748                         |                   | 716   |           | 36  |    | 1,500  |
| Total Personal Services              |           | 4,398                       |                   | 3,712 |           | 304 |    | 8,414  |
| Professional Services:               |           |                             |                   |       |           |     |    |        |
| Actuarial                            |           | 103                         |                   | 271   |           | 6   |    | 380    |
| Accounting                           |           | 30                          |                   | 29    |           | 11  |    | 70     |
| Information Technology               |           | 209                         |                   | 202   |           | -   |    | 411    |
| Education & Training                 |           | 15                          |                   | 7     |           | -   |    | 22     |
| Mailing Services                     |           | 131                         |                   | 96    |           | -   |    | 227    |
| Legal Services                       |           | -                           |                   | 38    |           | -   |    | 38     |
| Personnel Services                   |           | 34                          |                   | -     |           | -   |    | 34     |
| Other Professional Services and Fees |           | 22                          |                   | 13    |           | -   |    | 35     |
| Total Professional Services          |           | 544                         |                   | 656   |           | 17  |    | 1,217  |
| Communication:                       |           |                             |                   |       |           |     |    |        |
| Telephone                            |           | 63                          |                   | 34    |           | -   |    | 97     |
| Telecommunication Lines              |           | 39                          |                   | 29    |           | -   |    | 68     |
| Postage                              |           | 810                         |                   | 627   | 1 -       |     |    | 1,437  |
| Travel                               |           | 73                          |                   | 78    |           | 1   |    | 152    |
| Total Communication                  |           | 985                         |                   | 768   |           | 1   |    | 1,754  |
| Rentals:                             |           |                             |                   |       |           |     |    |        |
| Office Space                         |           | 262                         |                   | 262   |           | -   |    | 524    |
| Equipment Leasing                    |           | 29                          |                   | 27    |           | -   |    | 56     |
| Total Rentals                        |           | 291                         |                   | 289 - |           | _   |    | 580    |
| Miscellaneous:                       |           |                             |                   |       |           |     |    |        |
| Supplies                             |           | 686                         |                   | 382   |           | -   |    | 1,068  |
| Maintenance                          |           | 107                         |                   | 36    |           | -   |    | 143    |
| Total Miscellaneous                  |           | 793                         |                   | 418   |           | -   |    | 1,211  |
| Total Administrative Expenses        | <u>\$</u> | 7,011                       | <u>\$</u>         | 5,843 | <u>\$</u> | 322 | \$ | 13,176 |

# *Financial Section* Schedule of Investment Expenses For the Fiscal Year Ended September 30, 2003

# (Amounts in Thousands)

|  | Teachers'<br>Retirement<br>System |        | Employees'<br>Retirement<br>System |       | Judicial<br>Retirement<br>Fund |    | Т    | <u>fotals</u> |
|--|-----------------------------------|--------|------------------------------------|-------|--------------------------------|----|------|---------------|
| Investment Activity                        |                                   |        |                                    |       |                                |    |      |               |
| Investment Management Fees:                |                                   |        |                                    |       |                                |    |      |               |
| Salaries and Benefits                      | \$                                | 3,420  | \$                                 | 1,834 | \$                             | -  | \$   | 5,254         |
| Dues and Subscriptions                     |                                   | 337    |                                    | 220   |                                | -  |      | 557           |
| Travel                                     |                                   | 32     |                                    | 3     |                                | -  |      | 35            |
| Professional Services:                     |                                   |        |                                    |       |                                |    |      |               |
| Investment Advisor                         |                                   | 60     |                                    | 30    |                                | -  |      | 90            |
| Investment Custodian                       |                                   | 522    |                                    | 252   |                                | 28 |      | 802           |
| Real Estate Appraisal                      |                                   | 61     |                                    | 41    |                                | _  |      | 102           |
| <b>Total Investment Activity Expenses</b>  |                                   | 4,432  |                                    | 2,380 |                                | 28 |      | 6,840         |
| Securities Lending Activity                |                                   |        |                                    |       |                                |    |      |               |
| Securities Lending Borrower Rebates        |                                   | 10,052 |                                    | 2,131 |                                | 50 |      | 12,233        |
| Securities Lending Management Fees         |                                   | 832    |                                    | 266   |                                | 2  |      | 1,100         |
| Total Securities Lending Activity Expenses |                                   | 10,884 |                                    | 2,397 |                                | 52 |      | 13,333        |
| <b>Total Investment Expense</b>            | \$                                | 15,316 | \$                                 | 4,777 | \$                             | 80 | \$ 1 | 20,173        |

# *Financial Section* Schedule of Professional/Consultant Fees For the Fiscal Year Ended September 30, 2003

# (Amounts in Thousands)

| Professional/Consultant               | Nature of Service      | Reti | chers'<br>rement<br>stem | Reti | oloyees'<br>rement<br>ystem | Retir | licial<br>·ement<br>und | T           | otals |
|---------------------------------------|------------------------|------|--------------------------|------|-----------------------------|-------|-------------------------|-------------|-------|
| Mellon                                | Actuary                | \$   | 62                       | \$   | 230                         | \$    | 6                       | \$          | 298   |
| Milliman USA, Inc                     | Actuary                |      | 41                       |      | 41                          |       | -                       |             | 82    |
| KPMG                                  | Auditor                |      | 25                       |      | 25                          |       | 11                      |             | 61    |
| Crum Defense Escrow Account           | Legal                  |      | -                        |      | 38                          |       | -                       |             | 38    |
| Applied Information Sciences          | Information Technology |      | 182                      |      | 200                         |       | -                       |             | 382   |
| Auburn University Montgomery          | Information Technology |      | 20                       |      | -                           |       | -                       |             | 20    |
| Action in Mailing                     | Mail                   |      | 100                      |      | 89                          |       | -                       |             | 189   |
| Finance Mail & Supply                 | Mail                   |      | 42                       |      | 14                          |       | -                       |             | 56    |
| State Personnel Department            | Personnel              |      | 34                       |      | -                           |       | -                       |             | 34    |
| Various                               | Other                  |      | 38                       |      | 19                          |       | -                       |             | 57    |
| Total Professional/Consultant Fees-A  | dmin Services          |      | 544                      |      | 656                         |       | 17                      | 1           | 1,217 |
| AmSouth Bank                          | Investment Advisor     |      | 60                       |      | 30                          |       | -                       |             | 90    |
| J P Morgan Chase Bank                 | Investment Custodial   |      | 522                      |      | 252                         |       | 28                      |             | 802   |
| Houlihan, Lokey, Zukin Fin. Advisors  | Real Estate Appraisor  |      | 61                       |      | 41                          |       | -                       |             | 102   |
| Total Professional/Consultant Fees-In | vestment Services      |      | 643                      |      | 323                         |       | 28                      |             | 994   |
| Total Professional/Consultant Fees    |                        | \$   | 1,187                    | \$   | 979                         | \$    | 45                      | <u>\$</u> 2 | 2,211 |



# INVESTMENT SECTION

#### Dear Members,

I am pleased to present the following report on investment activity for the fiscal year ended September 30, 2003. The report provides highlights on investments in general as well as specific information on the Retirement System's investment activity for the fiscal year. Investment data presented in the investment section of this report were prepared using AIMR performance presentation standards.

After three long years in the grasp of the bear, the financial markets managed to claw their way back to positive returns virtually across the board in 2003. The economy, which had muddled along the past three years with the help of the omnipresent consumer, finally broke free with the return of corporate capital expenditures and increased government spending.

The big question now is what kind of sustainability can we expect in this economic rebound. With the equity markets having posted sizeable gains the past twelve months, and bond rates at extremely low levels, a lot has to go right this year to expect another year of outsized gains in the financial markets. This is an election year, so one should expect that government spending and tax incentives will lend a helping hand. Inflation continues to remain in check, so rising short-term rates are not a problem in the near term.

However, there are several existing hurdles that can derail the continued expansion of the economy. Obviously, the continued threat of a significant terrorist attack could cause a retraction by the consumer. Oil prices have unabatedly stayed high, acting as a tax on both consumers and corporations. Healthcare inflation and pension issues continue to strain the pocketbooks of corporate America. Lastly, the twin trade and budget deficits that have expanded rapidly the past couple of years need to be addressed, which will stress the economy and financial markets.

With that in mind, we feel a more normalized range of returns can be expected in the coming years. Presently, we foresee no sizeable changes to the current asset allocation. One area of interest that we are considering is expanding the size of the international equity portfolio as opportunities arise. We will continue to demand the best execution from all our financial counterparts, and will strive to produce results that strengthen the Retirement Systems of Alabama (RSA).

#### **RSA Performance Summary**

Fiscal year 2003 was a much better year for the RSA than the previous three fiscal years. A confluence of factors contributed to the breakout in the economy and rebound in corporate profits, and those are addressed in the following fixed income and equity activity sections.

As of September 30, 2003, aggregate defined benefit assets under management totaled \$22.8 billion. During fiscal year 2003, annualized total returns of the Teachers' Retirement System (TRS), Employees' Retirement System (ERS), and Judicial Retirement Fund (JRF) were 15.98%, 16.48% and 11.70%, respectively. Positive contributors to fund performance were found in most every asset class, with airline debt being the biggest drag as the major airlines continued to struggle under weak pricing and lighter load numbers. Equity outperformance was seen in both of the active funds as well as the international fund. The fixed income portion benefited from the narrowing of spreads in the corporate heavy portfolio.

#### Fixed Income

Fiscal year 2003 began with very little optimism regarding financial markets. Toward the end of fiscal year 2002, equities had encountered another sizable pullback, while interest rates continued to tumble. The theme throughout 2002 seemed to have been investors' inherent risk aversion. While large, stable names continued to outperform within the corporate bond market, higher yielding credits with liquidity concerns were quickly shut out of the capital markets. During this time, economic numbers were weak, consumer confidence was eroding, and the employment picture did not look good. However, near the end of September, Greenspan and the Federal Reserve left short-term interest rates steady at 1.75%.

A few weeks into the new fiscal year, third-quarter GDP was released showing growth at a rate of 3.1%. While there were few surprises in companies' third quarter of 2002 numbers, information regarding future prospects was well received. In response, stocks rallied considerably off their lows and rates started drifting higher. In what we believed to be a measure taken to ensure a stable recovery, the Fed stepped in and delivered a 50 basis point cut in early November. Unfortunately, unemployment continued to rise, and window-dressing from portfolio managers sent equity markets and treasury yields lower throughout the end of the year. However, if one were to read between the lines, high yield credits posted a 6.5% return in the fourth quarter, a sign that investors were slightly more comfortable in taking on risk. This was a pretty sharp reversal from the previous two quarters when this asset class lost 10%.

During the first weeks of the new calendar year, the January effect helped stocks recoup nearly all of December's losses. However, these gains were once again taken away as investors began to focus on the administration's next battle in the "war against terrorism". So as the showdown with Iraq became inevitable, market participants sought refuge in government securities, sending yields lower. At the time, government securities had outperformed all other asset classes for three years in a row, as real yields fell 250 basis points. The question in our minds was "when will investors shun risk-free securities in favor of risky assets for an extended amount of time?" Even though the success of the Iraqi invasion can be debated for years to come, once the long-standing Hussein regime was ousted, stocks and high yield bonds have taken off and not looked back.

As late spring and early summer rolled in, rates continued to be depressed with the Fed's main concern being deflation. In its June meeting, the Federal Reserve lowered the fed funds rate by a quarter-point, its 13<sup>th</sup> move in a little more than two years. However, in the following months, we saw tremendous selling within the fixed income market, with corporates and treasuries posting their worst returns in two decades. The two main culprits for this fixed income sell-off were better expectations for an economic recovery and volatility within the mortgage market. Over the last couple of years, the bond market has been supported by fund inflows to the detriment of stocks. So as expectations and the economy began to recover, money managers were simply selling fixed instruments to go long in the equity market. As such, managers of mortgage securities were essentially forced to sell treasuries in order to hedge themselves against duration risk, putting additional upward pressure on rates.

At the end of our fiscal year, with jobless claims reports considerably weaker than expected, the Fed announced no change was needed in monetary policy. However, they did cite that "the risk of inflation becoming undesirably low" is still a lingering concern. This news sent government yields across the maturity curve lower by 60 basis points. Currently the yield curve is steep from a historical perspective, with the spread between the 2yr and 30yr hovering around 350 basis points. Going forward, we think the curve has plenty of room to flatten, although expectations for a rate hike have been pushed back to the late first half of 2004 at the earliest. We also believe that the heavy issuance, especially from high yield names, that we have witnessed throughout 2003 will decline substantially as rates drift higher over the next year. Finally, we feel that any moves made by the Federal Reserve will not be aggressive, but rather a slow and steady process given the outlook for both employment and inflation.

In fiscal year 2003, the RSA purchased approximately \$1.35 billion in additional securities for the fixed income portfolio. As of September 30, 2003, the RSA's fixed income portfolio had a book value of \$8.13 billion, of which 13.3% is in money market securities. For the fiscal year, the total annual returns for the TRS, ERS, and JRF fixed income portfolios were 10.01%, 10.47%, and .60%, respectively, versus 5.49% for the Salomon Brothers Broad Investment Grade Index (SBBIG) and 5.41% for the Lehman Brothers Aggregate Index. The five-year annualized returns for the TRS, ERS, and JRF fixed income portfolios were 5.76%, 5.65%, and 3.59%, respectively, versus 6.63% for the SBBIG Index. The ten-year annualized returns for the TRS, ERS, and 5.94%, respectively, versus 6.92% for the SBBIG Index.

# RETIREMENT SYSTEMS OF ALABAMA Investment Section Report on Investment Activity For the Fiscal Year Ended September 30, 2003 (Continued)

#### <u>Equity</u>

The economy continued to pick up momentum throughout the course of 2003, and that resulted in strong corporate earnings growth. The lean years of 2001 and 2002, which caused slimming down of corporate fat, resulted in huge leverage to the bottom line. Throughout most of 2003, earnings revisions were in an upward trend, resulting in strong equity returns.

After climbing a wall of worry the first two quarters of fiscal year 2003, fundamentals finally outweighed the memory of the past two years. The accounting scandals that had plagued the market took a back seat in the minds of investors. The tax cuts started to put cash back in consumer's pockets. Mortgage rates stayed at extremely low levels, allowing for the continuation of the refinancing boom. Terrorist activity subsided, and the war in Iraq, for the most part, went favorably for the United States. Inflation stayed at low levels, even in the face of higher energy prices. Companies began jumping on the dividend bandwagon, with 33% of S&P 500 companies raising their dividend by an average of 24% this year. A weakening dollar allowed for some leverage in earnings of U.S. multinational companies. Productivity gains from both better technology and continued headcount reductions allowed for significant margin expansion. Basically, several factors converged which overwhelmed the bear that had a grip on the U.S. stock market.

In review, the RSA equity allocation began the year at 40.5%, and there were two separate series of additions to equities. In January and February, roughly 2.5% was added to equities, and later in July and August another 4% was added. The year-end equity weighting for equities was roughly 50%. The difference between the numbers is the appreciation in the equity holdings. Much the same as 2002, the smaller the market capitalization, the better the performance. The S&P 500 was up 24.38%, the S&P Midcap 400 was up 26.76%, and the S&P Smallcap 600 was up 26.86%. The International equity markets followed suit in whole, with the EAFE index up 26.01%, with quite a wide range of returns within the index. In dollar terms, Japan had the largest negative impact on the portfolio, up 18.3%, but the prospects there have improved dramatically the past couple of quarters.

For the year, the RSA domestic equity portfolios increased 25.59%, 25.66%, and 24.59% for the TRS, ERS, and JRF funds, respectively, which exceeded the benchmark S&P 500 return of 24.38%. International equity returns fared slightly better, returning 26.67% and 26.73% for TRS and ERS, respectively, which exceeded the MSCI EAFE index return of 26.01%. The global equity returns for FY 2003 were 25.68%, 25.77%, and 24.55% for the TRS, ERS, and JRF, respectively. Three-, five-, and ten-year annualized global equity returns were -8.26%, 2.31%, and 8.74% for TRS, -8.25%, 2.39%, and 8.75% for ERS, and -9.14%, 1.9%, and 10.54% for JRF, respectively.

Sincerely.

Barren Schulz Acting Director of Investments

#### I. Board Objectives

The Boards of Control, as Trustees of the Teachers' Retirement System and Employees' Retirement System (Systems), have full power, through each System's secretary-treasurer, to invest and reinvest System funds in accordance with the Prudent Man Rule: "with the care, skill, prudence, and diligence under the circumstances then prevailing that a prudent man acting in a like capacity and familiar with such matters would use in the conduct of an enterprise of a like character and with like aims." Other funds currently and hereafter under the management of the Systems will be governed by this Investment Policy Statement within each System's limitations and/or by other applicable legislated restrictions.

It is the objective of the Boards that funds be invested in such a manner as to maximize the total return of each System within prudent risk parameters. Also, the Systems recognize that a stronger Alabama equates to a stronger Retirement System, and as such, investments in Alabama businesses are encouraged to the extent the investment meets the criteria delineated by this policy statement.

The long term investment performance expectations of the Systems are to achieve a return on marketable securities in excess of the actuarial investment assumption and to exceed the rate of inflation (as measured by the CPI) by 3% through investments in a broadly diversified portfolio. The performance evaluation of each System will be submitted to the respective Board on a semi-annual basis.

#### II. Asset Allocation

The most important aspect of any investment strategy is the decision regarding allocation of investments among the various asset classes. The purpose of formulating asset allocation guidelines is to maximize investment returns within the standards of prudence established for the whole portfolio. Accordingly, the asset allocation decisions will be predicated on the following factors:

- 1. The actuarial projected liability stream of benefits and their cost,
- 2. The perception of the prospective risks and returns of eligible asset classes, and
- 3. Judgments regarding future economic and financial conditions.

The maximum permissible allocation of assets in the Systems to each eligible asset class is expressed below:

A. Domestic Fixed Income

The domestic fixed income portfolio of each System may consist of any rated or non-rated debt security including, but not limited to, the following: U.S. Treasury issues, agency issues, mortgage-backed securities, corporate bonds, and privately placed debt securities. This area of investments may not exceed 70% of the market value of the aggregate portfolio of each System.

B. International Fixed Income

The international fixed income asset class may be used to provide diversification for each System and may consist of U.S. dollar denominated or foreign currency denominated fixed income obligations of sovereign countries with a rating of at least A by one of the principal rating agencies at the time of purchase or acquisition, except that up to 2 percent of the market value of each System's total portfolio may be invested in the obligations of sovereign countries with a rating of BBB or BAA by one of such agencies at the time of purchase. The Systems may hedge against the possible adverse effects of currency fluctuations on each System's portfolio of international fixed income obligations when it is considered appropriate. The market value of this asset may not exceed 10% of the market value of each System's total portfolio.

#### C. Domestic Equity

The domestic equity portfolio of each System may consist of both actively and passively managed equity securities. Also, covered call options may be utilized in order to add incremental value to each System's equity portfolio and may be written and repurchased as market conditions warrant. The asset class may not exceed 65% of the market value of each System's aggregate portfolio.

#### D. International Equity

The international equity asset class may be used to provide diversification for the Systems and may consist of both actively and passively managed international equity securities. In order to be eligible for purchase by the Systems, an international equity security must be issued by a company incorporated in a country whose debt securities are eligible for investment under Section B above, and the market value of the aggregate outstanding equity of the issuing company must be at least \$100 million. Furthermore, each System may not purchase or hold more than 5 percent of any class of the outstanding stock of a company. The Systems may hedge against the possible adverse effects of currency fluctuations on each System's portfolio of international equity securities when it is considered appropriate. The aggregate market value of international equities may not exceed 15% of the aggregate market value of each System's total portfolio.

E. Real Estate

The real estate portfolio of each System may consist of office, retail, industrial, commercial, and residential housing projects. The suggested range may not exceed 10% of the book value of each System's aggregate portfolio.

F. Alternative Investments

Alternative investments may consist of, but are not limited to, mezzanine financing, LBO's, venture capital, limited partnerships, futures, commodities, and derivative investments. The asset class may not exceed 5% of the book value of each System's aggregate portfolio.

G. Short-term Investments

Short-term investments may consist of money allocated to commercial paper, rated at least A-2 and/or P-2, repurchase agreements, short-term U.S. Treasury securities and other money market investments. The primary objective of short-term investments is to provide highly liquid, low risk methods of return on funds, which have not been committed to the other aforementioned asset classes. The asset class may not exceed 20% of the market value of each System's aggregate portfolio.

Asset allocation is a dynamic process, and as such, the allocation decision should be revisited as market conditions change. In order to recognize this dynamism, the allocation targets within the recommended ranges of each asset class for the prospective quarter should be included in the quarterly strategy report.

#### III. Procedures

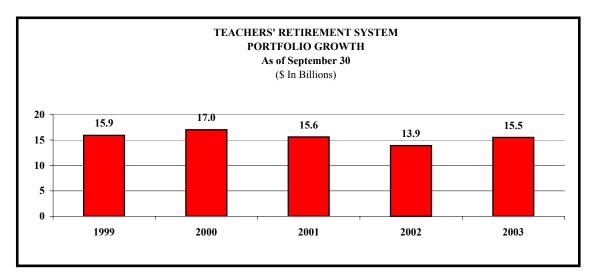
- 1. The investment advisor will work with the staff to develop a quarterly strategy for investments, which will be disseminated to the Boards, as it is prepared each quarter.
- 2. The Investment Committee of each System shall approve all investments made within the prescribed investment policy. These Investment Committees, in their approval, are considered to be signing for the respective Board of Control. If any purchase or sale is questioned by a member of the respective Investment Committee as to whether it is within given Board policy, the Board shall decide and no purchase or sale shall take place until all parties are in clear agreement that said action is or is not covered by policy.
- 3. Each week the secretary-treasurer of each System will send to the investment advisor the list of actual activities for written confirmation, which will then be forwarded to the respective System's Board of Control members upon receipt.
- 4. The staff members of the investment advisor will meet at least quarterly with members of the RSA staff and interested Boards of Control members to cover subjects of mutual interest.
- 5. All investment security purchases will be documented with an individual worksheet setting out the reason for the purchase, rating, market history and other general data pertinent to the decision making process.
- 6. An annual survey will be made of all fixed income investments held with emphasis on credit quality. A holding that has been downgraded in rating will be examined as to the reason for the downgrade and a determination should be made as to whether the security should remain in the portfolio.
- 7. The rules of the Securities Exchange Commission, the general policies of the Boards of Control, and the Alabama Ethics Commission shall govern the ethical conduct of employees. The RSA staff will provide the Alabama Ethics Commission with a quarterly report of all purchases and sales of any and all securities for personal accounts occurring within each reported quarter. The staff will abide by the Alabama Ethics Commission Advisory Opinion No. 673.

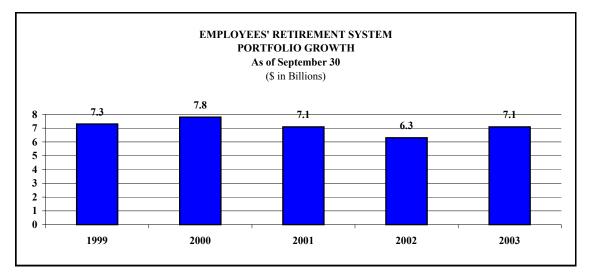
# *Investment Section* Schedule of Investment Performance For the Fiscal Year Ended September 30, 2003

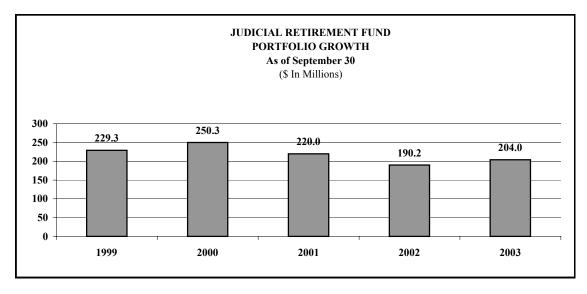
|                                  |        |              | Annualized   |               |
|----------------------------------|--------|--------------|--------------|---------------|
|                                  | 1 Year | Last 3 Years | Last 5 Years | Last 10 Years |
| Total Portfolio                  |        |              |              |               |
| TRS                              | 15.98% | 0.15%        | 4.36%        | 7.65%         |
| ERS                              | 16.48% | -0.35%       | 4.12%        | 7.55%         |
| JRF                              | 11.70% | -3.24%       | 2.72%        | 7.37%         |
| Total Domestic Equity            |        |              |              |               |
| TRS                              | 25.59% | -8.29%       | 2.64%        | 9.67%         |
| ERS                              | 25.66% | -8.31%       | 2.68%        | 9.70%         |
| JRF                              | 24.59% | -9.14%       | 1.90%        | 10.54%        |
| Domestic Equity Benchmarks:      |        |              |              |               |
| S&P 500                          | 24.38% | -10.14%      | 0.98%        | 10.04%        |
| Dow Jones Industrial Average     | 25.14% | -2.59%       | 5.27%        | 12.45%        |
| S&P MidCap 400                   | 26.76% | -0.74%       | 11.96%       | 12.80%        |
| Russell 2000                     | 36.48% | -0.82%       | 7.46%        | 8.28%         |
| Total International Equity       |        |              |              |               |
| TRS                              | 26.67% | -7.90%       | 1.23%        |               |
| ERS                              | 26.73% | -7.89%       | 1.30%        |               |
| International Equity Benchmarks: |        |              |              |               |
| Morgan Stanley EAFE (Unhedged)   | 26.01% | -8.71%       | 0.55%        |               |
| Total Fixed Income               |        |              |              |               |
| TRS                              | 10.01% | 6.83%        | 5.76%        | 6.92%         |
| ERS                              | 10.47% | 6.49%        | 5.65%        | 6.84%         |
| JRF                              | 0.60%  | 2.85%        | 3.59%        | 5.94%         |
| Fixed Income Benchmarks:         |        |              |              |               |
| SB Broad Investment Grade        | 5.49%  | 8.93%        | 6.63%        | 6.92%         |
| Lehman Bros. Aggregate           | 5.41%  | 8.94%        | 6.63%        | 6.92%         |

Investment return calculations were prepared using a time-weighted rate of return based on AIMR's performance presentation standards.

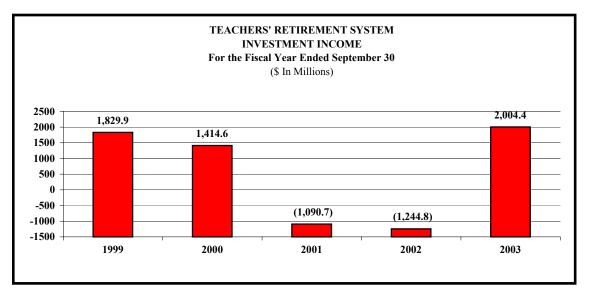
# *Investment Section* Portfolio Growth Five-Year Comparison

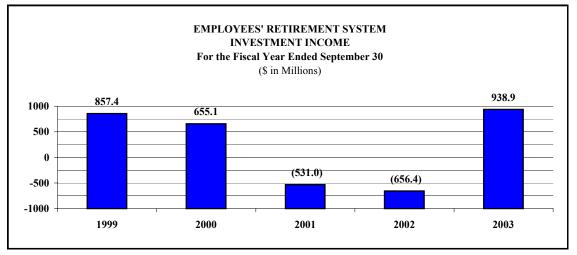


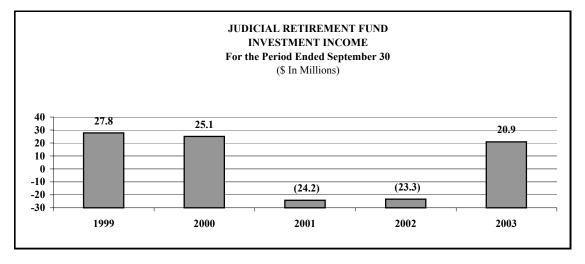




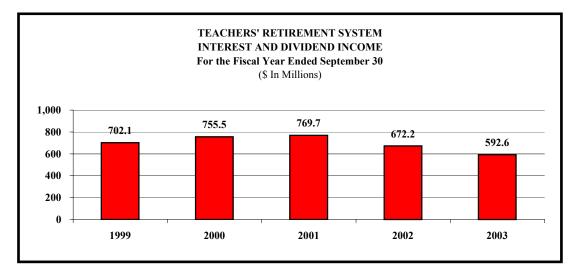
# *Investment Section* Investment Income Five-Year Comparison

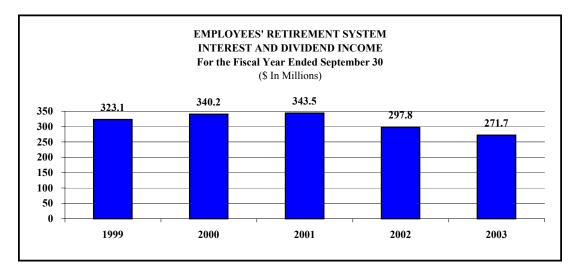


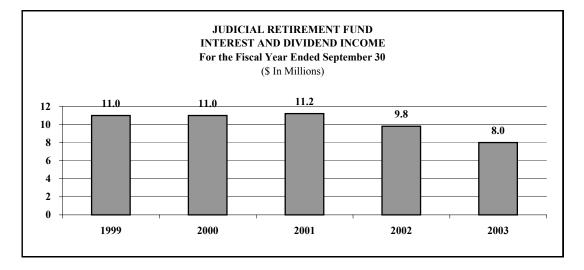




*Investment Section* Interest and Dividends Five-Year Comparison

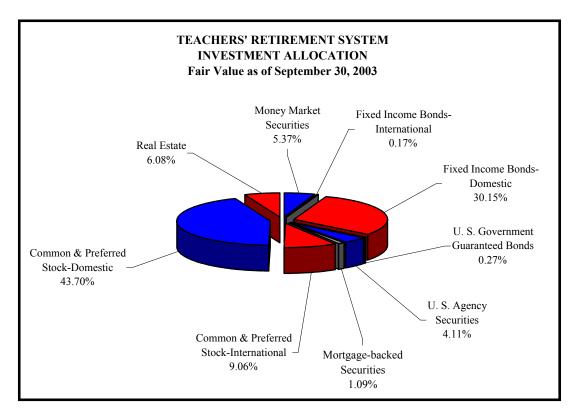






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# Investment Section Teachers' Retirement System Investment Allocation and Summary



#### TEACHERS' RETIREMENT SYTEM INVESTMENT SUMMARY AT FAIR VALUE As of September 30, 2003

(\$ In Thousands)

|                             |                      | %       |
|-----------------------------|----------------------|---------|
|                             | Fair                 | of Fair |
|                             | Value                | Value   |
| Money Market Securities     | \$ 833,052           | 5.37    |
| U.S. Government Guaranteed  | 41,203               | 0.27    |
| U.S. Agency Securities      | 635,478              | 4.11    |
| Mortgage-backed Securities  | 168,075              | 1.09    |
| Fixed Income Bonds          |                      |         |
| Domestic                    | 4,665,092            | 30.15   |
| International               | 26,810               | 0.17    |
| Common and Preferred Stocks |                      |         |
| Domestic                    | 6,762,794            | 43.70   |
| International               | 1,402,292            | 9.06    |
| Real Estate                 | 940,122              | 6.08    |
| <b>Total Investments</b>    | <u>\$ 15,474,918</u> | 100.00  |

# Investment Section Teachers' Retirement System Largest Stock and Bond Holdings

#### TEACHERS' RETIREMENT SYSTEM LARGEST STOCK HOLDINGS September 30, 2003

(Amounts In Thousands)

|     | Shares Stock |                               | Fair Value |
|-----|--------------|-------------------------------|------------|
| 1)  | 489          | Raycom Media (12% noncum PFD) | \$ 393,472 |
| 2)  | 5,641        | Microsoft Corporation         | 156,820    |
| 3)  | 5,192        | General Electric Company      | 154,762    |
| 4)  | 4,290        | Pfizer Incorporated           | 130,324    |
| 5)  | 3,548        | Exxon Mobil Corporation       | 129,859    |
| 6)  | 2,820        | Citigroup Incorporated        | 128,354    |
| 7)  | 2,289        | Wal Mart Stores               | 127,852    |
| 8)  | 3,686        | Intel Corporation             | 101,425    |
| 9)  | 13,768       | RSA Holdings LLC              | 101,103    |
| 10) | 1,435        | American International Group  | 82,809     |

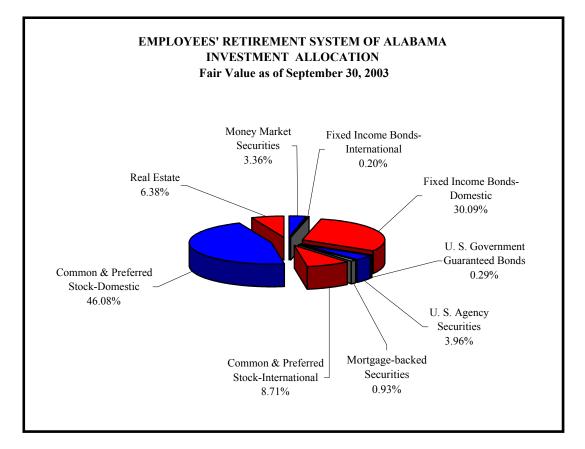
#### TEACHERS' RETIREMENT SYSTEM LARGEST BOND HOLDINGS September 30, 2003

(\$ in Thousands)

|     | Par Bonds    |  | Fair Value |
|-----|--------------|--|------------|
| 1)  | \$ 1,087,087 | Community News due 1/31/17                   | \$ 890,463 |
| 2)  | 825,360      | Raycom Media Incorporated due 12/15/16       | 663,783    |
| 3)  | 265,467      | Raycom Media Incorporated due 4/1/12         | 213,498    |
| 4)  | 110,000      | Mediaone Group Incorporated due 2/1/32       | 125,722    |
| 5)  | 133,525      | IDB Monroe Alabama River Pulp due 3/31/13    | 124,216    |
| 6)  | 90,000       | CSX Corporation due 5/1/32                   | 102,818    |
| 7)  | 75,000       | Nationwide Financial Services due 3/1/27     | 78,954     |
| 8)  | 73,250       | J C Penney Company Incorporated due 4/1/27   | 75,081     |
| 9)  | 65,000       | Ford Motor Company due 11/15/22              | 66,748     |
| 10) | 84,350       | Delta 1992 Ser B2 Pass Thr Cert. Due 3/11/15 | 64,106     |

A complete list of portfolio holdings is available upon request.

### Investment Section Employees' Retirement System Investment Allocation and Summary



#### EMPLOYEES' RETIREMENT SYSTEM INVESTMENT SUMMARY AT FAIR VALUE As of September 30, 2003

(\$ In Thousands)

|                             | Fair<br>Value       | %<br>of Fair<br>Value |
|-----------------------------|---------------------|-----------------------|
| Money Market Securities     | \$ 239,446          | 3.36                  |
| U.S. Government Guaranteed  | 20,352              | 0.29                  |
| U.S. Agency Securities      | 282,730             | 3.96                  |
| Mortgage-backed Securities  | 66,067              | 0.93                  |
| Fixed Income Bonds          |                     |                       |
| Domestic                    | 2,144,851           | 30.09                 |
| International               | 14,385              | 0.20                  |
| Common and Preferred Stocks |                     |                       |
| Domestic                    | 3,285,094           | 46.08                 |
| International               | 621,178             | 8.71                  |
| Real Estate                 | 454,569             | 6.38                  |
| <b>Total Investments</b>    | <u>\$ 7,128,672</u> | 100.00                |

# Investment Section Employees' Retirement System Largest Stock and Bond Holdings

# EMPLOYEES' RETIREMENT SYSTEM LARGEST STOCK HOLDINGS

September 30, 2003

(Amounts in Thousands)

|     | Shares | Stock                           | Fair Value |
|-----|--------|---------------------------------|------------|
| 1)  | 489    | Raycom Media (12% noncum PFD)   | \$ 393,472 |
| 2)  | 93     | CNHI TR D Preferred (8% noncum) | 76,458     |
| 3)  | 2,539  | Microsoft Corporation           | 70,579     |
| 4)  | 2,337  | General Electric Corporation    | 69,657     |
| 5)  | 1,930  | Pfizer Incorporated             | 58,647     |
| 6)  | 1,591  | Exxon Mobil Corporation         | 58,225     |
| 7)  | 1,268  | Citigroup Incorporated          | 57,695     |
| 8)  | 1,029  | Wal Mart Stores                 | 57,442     |
| 9)  | 6,884  | RSA Holdings LLC                | 50,551     |
| 10) | 1,666  | Intel Corporation               | 45,835     |

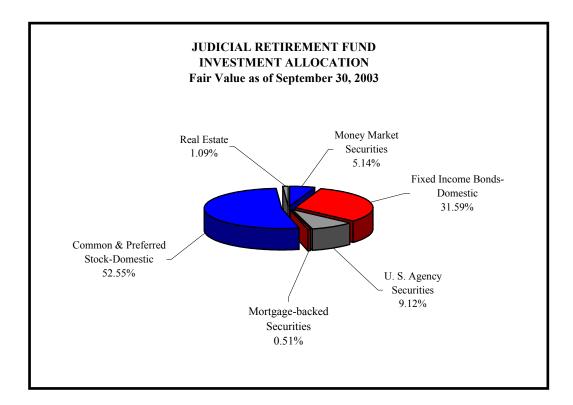
#### EMPLOYEES' RETIREMENT SYSTEM LARGEST BOND HOLDINGS September 30, 2003

(\$ In Thousands)

|     | Par        | Bonds  | Fair Value |
|-----|------------|--|------------|
| 1)  | \$ 551,021 | Community News due 1/31/17                   | \$ 451,357 |
| 2)  | 406,596    | Raycom Media Incorporated due 12/15/16       | 326,999    |
| 3)  | 130,753    | Raycom Media Incorporated due 4/1/12         | 105,156    |
| 4)  | 71,000     | Mediaone Group Incorporated due 2/1/32       | 81,148     |
| 5)  | 50,000     | CSX Corporation due 5/1/32                   | 57,121     |
| 6)  | 57,225     | IDB Monroe Alabama River Pulp due 3/31/13    | 53,235     |
| 7)  | 40,000     | Sithe Funding due 12/30/13                   | 42,300     |
| 8)  | 35,000     | Ford Motor Company due 11/15/22              | 35,941     |
| 9)  | 41,785     | Delta 1992 Ser B2 Pass Thr Cert. Due 3/11/15 | 31,757     |
| 10) | 25,000     | Nationwide Financial Services due 3/1/27     | 26,318     |

A complete list of portfolio holdings is available upon request.

# Investment Section Judicial Retirement Fund Investment Allocation and Summary



#### JUDICIAL RETIREMENT FUND INVESTMENT SUMMARY AT FAIR VALUE As of September 30, 2003

(\$ In Thousands)

|                                       | Fa | air Value | %<br>of Fair<br><u>Value</u> |
|---------------------------------------|----|-----------|------------------------------|
| Money Market Securities               | \$ | 10,483    | 5.14                         |
| U.S. Agency Securities                |    | 18,610    | 9.12                         |
| Mortgage-backed Securities            |    | 1,037     | 0.51                         |
| Fixed Income Bonds, Domestic          |    | 64,442    | 31.59                        |
| Common and Preferred Stocks, Domestic |    | 107,209   | 52.55                        |
| Real Estate                           |    | 2,227     | 1.09                         |
| Total Investments                     | \$ | 204,008   | 100.00                       |

# Investment Section Judicial Retirement Fund Largest Stock and Bond Holdings

#### JUDICIAL RETIREMENT FUND LARGEST STOCK HOLDINGS September 30, 2003

(Amounts in Thousands)

|     | Shares | Stock                        | Fair Value |
|-----|--------|------------------------------|------------|
| 1)  | 111    | Microsoft Corporation        | \$ 3,080   |
| 2)  | 103    | General Electric Corporation | 3,073      |
| 3)  | 70     | Exxon Mobil Corporation      | 2,553      |
| 4)  | 46     | Wal Mart Stores              | 2,552      |
| 5)  | 83     | Pfizer Incorporated          | 2,512      |
| 6)  | 53     | Citigroup Incorporated       | 2,424      |
| 7)  | 69     | Intel Corporation            | 1,891      |
| 8)  | 27     | American International Group | 1,558      |
| 9)  | 18     | IBM Corporation              | 1,546      |
| 10) | 31     | Johnson & Johnson            | 1,523      |

#### JUDICIAL RETIREMENT FUND LARGEST BOND HOLDINGS September 30, 2003

(\$ In Thousands)

|     | Par       | Bonds  | <b>Fair Value</b> |
|-----|-----------|--|-------------------|
| 1)  | \$ 10,000 | Texas Utilities Electric due 7/1/25                | \$ 10,338         |
| 2)  | 7,794     | Community News due 1/31/17                         | 6,385             |
| 3)  | 5,000     | Sithe Funding due 12/30/13                         | 5,288             |
| 4)  | 3,000     | Nationwide Financial Services due 3/1/27           | 3,158             |
| 5)  | 2,000     | PPL Energy due 12/21/13                            | 2,261             |
| 6)  | 2,000     | Verizon Communication (GTE Corp.) due 2/1/27       | 2,254             |
| 7)  | 2,000     | Tupperware Finance Company due 7/15/11             | 2,016             |
| 8)  | 5,424     | UAL Pass-through Certicates Ser 1993-C1due 6/17/09 | 2,007             |
| 9)  | 1,669     | FPL Energy Virginia due 6/30/19                    | 1,834             |
| 10) | 2,000     | IPSCO Saskatchewan due 12/31/38                    | 1,797             |

A complete list of portfolio holdings is available upon request.

## *Investment Section* Broker Commissions Paid For the Fiscal Year Ended September 30, 2003

|                                       | Stock                    |                      | Fixed                  |                        |                        |
|---------------------------------------|--------------------------|----------------------|------------------------|------------------------|------------------------|
|                                       | # of                     |                      | Securities             | Total                  |                        |
|                                       | Commissions<br>Per Share | Shares<br>(000's)    | Commissions<br>(000's) | Commissions<br>(000's) | Commissions<br>(000's) |
| A. G. Edwards-Campbell                | 0.0500                   | 449,000              | \$ 22,450              | \$ 5,000               | \$ 27,450              |
| Banc of America                       | -                        | -                    | -                      | 6,250                  | 6,250                  |
| Bear Stearns & Co.                    | 0.0477                   | 5,056,875            | 241,208                | 443,235                | 684,443                |
| Bernstein                             | 0.0496                   | 10,261,913           | 509,096                | -                      | 509,096                |
| Centennial-Collins                    | 0.0500                   | 238,900              | 11,945                 | -                      | 11,945                 |
| Chapman-Baldwin                       | 0.0500                   | 275,000              | 13,750                 | -                      | 13,750                 |
| Citigroup                             | 0.0439                   | 10,836,876           | 475,633                | 533,919                | 1,009,552              |
| Citigroup-Walker                      | 0.0500                   | 700,300              | 35,015                 | 16,500                 | 51,515                 |
| Collins Asset Management              | 0.0500                   | 25,000               | 1,250                  | -                      | 1,250                  |
| Concord-Rayl                          | 0.0500                   | 175,000              | 8,750                  | -                      | 8,750                  |
| Credit Suisse First Boston Corp.      | 0.0405                   | 10,679,880           | 432,770                | 237,188                | 669,958                |
| Deutsche Bank Securities              | 0.0424                   | 7,431,202            | 315,241                | 46,250                 | 361,491                |
| Gardner Rich                          | 0.0500                   | 302,300              | 15,115                 |                        | 15,115                 |
| Goldman Sachs & Co.                   | 0.0504                   | 3,259,940            | 164,412                | 121,344                | 285,756                |
| Howard Weil & Co.                     | 0.0500                   | 873,655              | 43,683                 | -                      | 43,683                 |
| ISI                                   | 0.0500                   | 2,284,100            | 114,205                | _                      | 114,205                |
| J. P. Morgan Chase                    | 0.0394                   | 5,683,291            | 224,067                | 22,500                 | 246,567                |
| Lazard/Reginald Rainey                | 0.0574                   | 5,005,271            | 224,007                | 39,063                 | 39,063                 |
| Janney Montgomery Scott               | 0.0500                   | 325,200              | 16,260                 | 57,005                 | 16,260                 |
| Lehman Brothers, Inc.                 | 0.0334                   | 4,224,125            | 141,012                | 117,500                | 258,512                |
| Lehman Brothers, IncSoft              | 0.0500                   | 4,614,298            | 230,715                | 117,500                | 230,512                |
| McDonald & Company                    | 0.0500                   | 300,000              | 15,000                 | - 159,526              | 174,526                |
| Merrill Lynch, Pierce, Fenner & Smith | 0.0300                   |                      | -                      |                        | 1,016,395              |
| -                                     |                          | 7,950,700<br>662,700 | 299,156                | 717,239                |                        |
| Merrill Lynch-Soft                    | 0.0500                   |                      | 33,135                 | -                      | 33,135                 |
| Morgan Keegan-Rogers                  | 0.0500                   | 684,100              | 34,205                 | 9,000                  | 43,205                 |
| Morgan Stanley Dean Witter            | 0.0380                   | 10,485,482           | 398,182                | 179,250                | 577,432                |
| Morgan Stanley Dean Witter-Int'l      | 0.0022                   | 66,992,653           | 147,702                | -                      | 147,702                |
| Morgan Stanley-Rees                   | 0.0500                   | 699,900              | 34,995                 | 9,000                  | 43,995                 |
| NBC Capital Markets                   | -                        | -                    | -                      | 399,935                | 399,935                |
| NBC-Falkenburg                        | 0.0500                   | 850,000              | 42,500                 | 39,000                 | 81,500                 |
| Prudential Securities                 | 0.0067                   | 10,205,761           | 68,804                 | -                      | 68,804                 |
| Quintus Securities/Register           | 0.0500                   | 125,000              | 6,250                  | -                      | 6,250                  |
| Raymond James-Maddux                  | 0.0500                   | 751,700              | 37,585                 | 57,750                 | 95,335                 |
| Robert Thomas                         | 0.0500                   | 225,000              | 11,250                 | -                      | 11,250                 |
| Securities Corp-Jones                 | 0.0500                   | 347,185              | 17,359                 | -                      | 17,359                 |
| Simmons-Savoie                        | 0.0500                   | 720,010              | 36,001                 | -                      | 36,001                 |
| Southwest-Schramme                    | 0.0500                   | 224,000              | 11,200                 | -                      | 11,200                 |
| Sterne, Agee-Childers                 | 0.0500                   | 497,700              | 24,885                 | 34,000                 | 58,885                 |
| Sterne, Agee-Tankersley               | 0.0500                   | 394,100              | 19,705                 | 9,000                  | 28,705                 |
| UBS Warburg                           | 0.0159                   | 11,040,014           | 175,170                | 268,073                | 443,243                |
| UBS Warburg-Allison                   | 0.0500                   | 324,000              | 16,200                 | -                      | 16,200                 |
| UBS Warburg-Young                     | 0.0500                   | 175,000              | 8,750                  | -                      | 8,750                  |
| Wachovia-Harris                       | 0.0500                   | 648,600              | 32,430                 | 9,000                  | 41,430                 |
| Totals                                |                          | 182,000,460          | \$ 4,487,041           | \$ 3,479,522           | \$ 7,966,563           |

Average Commission Per Share of Stock =

0.0247

\$

# ACTUARIAL SECTION



# Mellon

**Human Resources & Investor Solutions** 

February 13, 2004

Board of Control Teachers' Retirement System of Alabama Montgomery, Alabama

Members of the Board:

In this report are submitted the results of the sixty-second annual valuation of the assets and liabilities of the Teachers' Retirement System of Alabama, prepared as of June 30, 2003 in accordance with Section 367(15) of the act governing the operation of the System. The purpose of this report is to provide a summary of the funded status of the system as of June 30, 2003, to recommend rates of contribution and to provide accounting information under Governmental Accounting Standards Board Statements No. 25 and 27 (GASB 25 and 27). While not verifying the data at source, the actuary performed tests for consistency and reasonability. On the basis of the valuation, it is recommended that the State make contributions to the Retirement System at the rate of 9.44% of payroll. The increase in the contribution rate from 7.54% to 9.44% of payroll is primarily due to a recognition of asset losses. Due to the poor recent performance in the markets, we strongly recommend that the Board of Control consider lowering the assumed rate of investment return from 8.0% to 7.75% or 7.50%. This change would require an additional increase in the required employer contribution rate.

The promised benefits of the System are included in the actuarially calculated contribution rates which are developed using the entry age normal cost method. The valuation continues to take into account the provisions of Act 2000-732 which requires that the actuary certify annually to the Teachers' Retirement System that there has been no change in the liquidation period used to determine the accrued liability Under the requirements of Act 2000-732, we have determined an employer contribution rate. contribution rate of 9.44% of payroll based on a 10-year liquidation period. If the section of Act 2000-732 that requires the use of a liquidation period of 10 years was repealed, a liquidation period up to 20 years could be utilized and a lower employer contribution would be required. The repeal of this section of Act 2000-732 would be reasonable and actuarially sound and would result in an employer contribution of 8.17% based on a 20-year liquidation period. Additionally, this would make the TRS and ERS amortization methods the same, as they were prior to the passage of this section of Act 2000-732. Five-year market related value of assets is used for actuarial valuation purposes. Gains and losses are reflected in the unfunded accrued liability that is being amortized by regular annual contributions as a level percentage of payroll, on the assumption that payroll will increase by 4.5% annually. The assumptions recommended by the actuary and adopted by the Board are in the aggregate reasonably related to the experience under the Fund and to reasonable expectations of anticipated experience under the Fund and meet the parameters for the disclosures under GASB 25 and 27.

We have prepared the Schedule of Funding Progress and Trend Information shown in the financial section of the Comprehensive Annual Financial Report, and all supporting schedules including the Schedule of Active Member Valuation Data, the Solvency Test and the Analysis of Financial Experience shown in the actuarial section of the Comprehensive Annual Financial Report.

Suite 1900 • 200 Galleria Parkway, N.W. • Atlanta, GA 30339-5918 (770) 955-2488 Office • (770) 933-8336 Fax www.mellon.com

A Mellon Financial Company.<sup>5M</sup>

Actuarial Section Teachers' Retirement System Actuarial Letter (Continued)

This is to certify that the independent consulting actuary is a member of the American Academy of Actuaries and has experience in performing valuations for public retirement systems, that the valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board, and that the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the retirement system and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the System.

In our opinion the System is operating on an actuarially sound basis. Assuming that contributions to the System are made by the employer from year to year in the future at the rates recommended on the basis of the successive actuarial valuations, the continued sufficiency of the retirement fund to provide the benefits called for under the System may be safely anticipated.

The Table of Contents, which immediately follows, outlines the material contained in the report.

Respectfully submitted,

Edward A. Macdonald, ASA, MAAA, FCA Principal, Consulting Actuary

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## **Summary of Actuarial Assumptions and Methods**

The Actuary selected the assumptions and methods used in the valuation based on the actuarial experience study prepared as of June 30, 2001, submitted on November 14, 2001, and adopted by the Board in January 2002.

Investment Rate of Return: 8% per annum, compounded annually.

**Salary Increases:** Representative values of the assumed annual rates of future salary increases are as follows and include inflation at 4.50% per annum:

|     | Annual          |
|-----|-----------------|
| Age | <b>Rate (%)</b> |
| 20  | 7.25            |
| 25  | 7.25            |
| 30  | 7.75            |
| 35  | 7.00            |
| 40  | 6.50            |
| 45  | 6.25            |
| 50  | 6.00            |
| 55  | 5.50            |
| 60  | 5.00            |
| 65  | 5.00            |

**Separations Before Service Retirement:** Representative values of the assumed annual rates of death, disability, and withdrawal are as follows:

|     | Annual Rate (%) |       |            |       |             |       |
|-----|-----------------|-------|------------|-------|-------------|-------|
|     | De              | ath   | Disability |       | Withdrawal* |       |
| Age | Men             | Women | Men        | Women | Men         | Women |
| 20  | 0.05            | 0.03  | 0.05       | 0.07  | 23.83       | 23.83 |
| 25  | 0.06            | 0.03  | 0.06       | 0.07  | 11.59       | 11.14 |
| 30  | 0.08            | 0.03  | 0.07       | 0.07  | 7.86        | 7.93  |
| 35  | 0.08            | 0.04  | 0.12       | 0.10  | 6.08        | 6.08  |
| 40  | 0.09            | 0.06  | 0.14       | 0.16  | 4.78        | 4.35  |
| 45  | 0.14            | 0.09  | 0.24       | 0.32  | 3.75        | 3.71  |
| 50  | 0.21            | 0.12  | 0.61       | 0.65  | 2.82        | 2.57  |
| 55  | 0.36            | 0.19  | 1.35       | 0.95  | 1.85        | 2.07  |
| 60  | 0.63            | 0.34  | 2.50       | 1.89  | 1.41        | 1.95  |
| 65  | 1.15            | 0.67  |            |       |             |       |
| 69  | 1.80            | 1.08  |            |       |             |       |

\* Withdrawal rates are higher during the first three years of service.

Service Retirement\*: Representative values of the assumed annual rates of service retirement are as follows:

For those members first eligible for unreduced benefits before age 50 or after age 60, rates are as follows:

|     | Annual Rate (%) |       |  |  |
|-----|-----------------|-------|--|--|
| Age | Men             | Women |  |  |
| 45  | 7.0             | 4.0   |  |  |
| 50  | 12.0            | 8.0   |  |  |
| 55  | 45.0            | 45.0  |  |  |
| 60  | 15.0            | 15.0  |  |  |
| 62  | 35.0            | 35.0  |  |  |
| 65  | 40.0            | 40.0  |  |  |
| 70  | 100.0           | 100.0 |  |  |

\*Retirement rates increase by 10% for males and 20% for females in the year members first become eligible for unreduced service retirement.

For members first eligible for unreduced benefits on or after age 50 but before age 60, no withdrawal or retirement is assumed to occur for the five years prior to DROP eligibility and 45% are assumed to retire in the first year eligible for DROP participation. The rates, thereafter, are as follows:

|     | Annual Rate (%) |       |  |  |
|-----|-----------------|-------|--|--|
| Age | Men             | Women |  |  |
| 58  | 15.0            | 15.0  |  |  |
| 60  | 15.0            | 15.0  |  |  |
| 62  | 35.0            | 35.0  |  |  |
| 65  | 40.0            | 40.0  |  |  |
| 70  | 100.0           | 100.0 |  |  |

**Deaths after Retirement:** Representative values of the assumed annual rates of death after service and disability retirement are as follows:

|     | Annual Rate (%) of Death After |       |                      |       |
|-----|--------------------------------|-------|----------------------|-------|
|     | Service Retirement             |       | Disability Retiremen |       |
| Age | Men                            | Women | Men                  | Women |
| 40  | 0.1                            | 0.1   | 3.3                  | 2.6   |
| 50  | 0.3                            | 0.1   | 3.8                  | 2.5   |
| 55  | 0.5                            | 0.2   | 4.2                  | 2.7   |
| 60  | 0.8                            | 0.4   | 4.9                  | 3.0   |
| 65  | 1.5                            | 0.8   | 6.0                  | 3.4   |
| 70  | 2.6                            | 1.4   | 7.6                  | 4.1   |
| 75  | 3.9                            | 2.2   | 10.2                 | 5.2   |
| 80  | 5.9                            | 3.8   | 14.2                 | 6.8   |
| 85  | 9.2                            | 6.6   | 20.1                 | 9.5   |
| 90  | 14.3                           | 11.2  | 28.7                 | 13.5  |
| 95  | 20.5                           | 18.4  | 40.4                 | 19.4  |

# Actuarial Section Teachers' Retirement System Summary of Actuarial Assumptions and Methods (Continued), Actuarial Cost Method and Summary of Plan Provisions

**Spousal Benefits:** For those eligible for spousal benefits, it is assumed that 75% will elect the lump sum death benefit and 25% will elect the spousal benefit.

Valuation Method: Entry age normal cost method. Actuarial gains and losses are reflected in the unfunded actuarial accrued liability.

**Assets:** Actuarial value. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected actuarial value of assets, based on the assumed valuation rate of return. Each year 20% of the difference between market value and expected actuarial value is recognized.

## Actuarial Cost Method

- The valuation is prepared on the projected benefit basis, which is used to determine the present value of each member's expected benefit payable at retirement or death. The calculations are based on the member's age, years of service, sex, compensation, expected future salary increases, and an assumed future interest earnings rate (currently 8%). The calculations consider the probability of a member's death or termination of employment prior to becoming eligible for a benefit and the probability of the member terminating with a service, disability, or survivor's benefit. The present value of the expected benefits payable to active members is added to the present value of the expected beneficiaries to obtain the present value of all expected benefits payable to the present group of members and beneficiaries.
- 2. The employer contributions required to support the benefits of the System are determined following a level funding approach, and consist of a normal contribution and an accrued liability contribution.
- 3. The normal contribution is determined using the "entry age normal" method. Under this method, a calculation is made to determine the uniform and constant percentage rate of employer contributions which, if applied to the compensation of the average new member during the entire period of the member's anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on the member's behalf.
- 4. The unfunded accrued liability contributions are determined by subtracting the current assets held by the System and the present value of prospective employer normal contributions and member contributions from the present value of expected benefits to be paid from the System.

#### Summary of Plan Provisions as Interpreted for Valuation Purposes

The Teachers' Retirement System of Alabama was established on September 15, 1939 and became effective September 30, 1941. The valuation considered amendments to the System through the valuation date. The following summary describes the main benefit and contribution provisions of the System as interpreted for the valuation.

#### Definitions

Average Final Compensation - the average compensation of a member for the 3 highest years in the last 10 years of creditable service.

Membership Service - all service rendered while a member of the retirement system and for which contributions are made.

Creditable Service - the sum of membership service, prior service, and any other service established as creditable in accordance with the provisions of the retirement law.

Annuity - payments for life derived from accumulated contributions of a member.

Pension - payments for life derived from employer contributions.

Retirement Allowance - the sum of the annuity and pension.

# Benefits

Service Retirement Allowance

| Condition for Allowance                      | A retirement allowance is payable upon the request of any member who has<br>completed 25 years of creditable service or who has attained age 60 and<br>completed at least 10 years of creditable service.  |
|--|--|
| Amount of Allowance                          | Upon service retirement, a member receives a retirement allowance equal to 2.0125% of the member's average final compensation multiplied by the number of years of creditable service At retirement, a member receives one additional year of creditable service in determining retirement allowance for each five years of service as a full-time certified firefighter, police officer, or correctional officer.         |
|  | Members may elect to receive a reduced retirement allowance in order to<br>provide an allowance to a designated beneficiary after the member's death<br>(see "Special Privileges at Retirement" below).  |
| Disability Retirement Allowance              |  |
| Condition for Allowance                      | A disability retirement allowance may be granted to a member who has 10 years or more of creditable service and becomes totally and permanently incapacitated for duty before reaching eligibility for a service retirement allowance.   |
| Amount of Allowance                          | Upon retirement for disability, a member receives a retirement allowance equal to 2.0125% of the member's average final compensation multiplied by the number of years of creditable service. At retirement, a member receives one additional year of creditable service in determining retirement allowance for each five years of service as a full-time certified firefighter, police officer, or correctional officer. |
|  | Members may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement" below).  |
| Benefits Payable on<br>Separation of Service | Any member who withdraws from service is entitled to receive his or her contributions with allowable interest. A member who has completed 10 years of creditable service may, after separation from service, continue in the membership of the System and file for service retirement after reaching age 60.   |
| Benefits Payable upon                        | C C C C C C C C C C C C C C C C C C C  |
| Death of an Active Member                    | In the event of the death of a member eligible for service retirement, the designated beneficiary may elect (1) to exercise Option 3 defined below under "Special Privileges at Retirement" or (2) to receive a return of member contributions and total earned interest plus a death benefit equal to the salary on which the member made retirement contributions for the previous scholastic year (July 1-June 30). *   |

# RETIREMENT SYSTEMS OF ALABAMA Actuarial Section

Teachers' Retirement System Summary of Plan Provisions (Continued) Supporting Schedules

|                                  | In the event of the death of a member with more than one year of service who is not eligible to retire, the designated beneficiary shall receive the return of member contributions and total earned interest. Also, the designated beneficiary shall receive an additional death benefit equal to the salary on which member retirement contributions were made for the previous scholastic year (July 1-June 30). * |
|----------------------------------|---|
|                                  | In the event of a job-related death of a member with less than one year of service, the designated beneficiary shall receive the return of member contributions and total earned interest plus a death benefit equal to the annual earnable compensation of the member at the time of death. *  |
|                                  | In the event of a non-job related death of a member with less than one year of service, the designated beneficiary shall receive the return of member contributions and total earned interest plus a matching death benefit which is limited to a \$5,000 maximum.  |
|                                  | *However, if the death occurred more than 180 calendar days after the member's last day in pay status, or if the deceased had applied for a refund of contributions or terminated employment, the lump sum will be the same as if the member had less than one year of service and the death was non-job related.   |
| Special Privileges at Retirement | In lieu of the full retirement allowance, any member may, at retirement, elect to receive a reduced retirement allowance equal in value to the full allowance, with the provision that:   |
|                                  | Option $1 - $ If a member dies before the annuity payments equals the present value of the annuity at the date of retirement, the balance is paid to a designated beneficiary or to the member's estate, or   |
|                                  | Option $2 - After$ the member's death, the member's allowance is continued throughout the life of the designated beneficiary, or  |
|                                  | Option 3 – After the member's death, one-half of the member's allowance is continued throughout the life of the designated beneficiary, or  |
|                                  | Option 4 - Some other benefit is paid either to the member or to such other person as the member shall designate provided such benefit, together with the reduced retirement allowance, is of equivalent actuarial value to the member's retirement allowance and is approved by the Board of Control.  |
|                                  |   |

| Deferred Retirement Option Plan<br>(DROP) | A member may elect to participate in the Deferred Retirement Option Plan (DROP) upon completion of at least 25 years of creditable service (excluding sick leave) and attainment of at least 55 years of age. Under the DROP, the member may defer receipt of a retirement allowance and continue employment for a period not to exceed five years, nor to be less than three years. At the end of the period, the member may withdraw from active service and receive the retirement benefit based on his or her years of service credit at the time of enrollment in the DROP, and also receive a payment for the deferred retirement benefits, employee contributions while participating in the DROP, and interest earned on DROP deposits. |
|---|---|
| Member Contributions                      | Regular members contribute 5% of salary. Certified police officers and firefighters contribute 6% of salary. DROP participants continue to contribute during the DROP period, but receive a refund of these contributions and interest upon retirement.   |

## **Supporting Schedules**

The following table reflects a six-year history of active member valuation data:

| Valuation<br>Date |   | <u>Number</u> | <br>Annual<br>Payroll | Annual<br>Average<br>Pay | % Increase<br>(Decrease)<br>in Average<br>Pay |
|-------------------|---|---------------|-----------------------|--------------------------|---|
| 06/30/03          | ş | 129,617       | \$<br>4,486,058,170   | \$<br>34,610             | 2.78  |
| 06/30/02          | t | 128,649       | 4,332,119,671         | 33,674                   | 1.74  |
| 06/30/01          |   | 130,066       | 4,305,080,140         | 33,099                   | 3.96  |
| 06/30/00          |   | 129,777       | 4,131,903,775         | 31,838                   | 3.03  |
| 06/30/99          |   | 128,279       | 3,964,111,877         | 30,902                   | (1.54)  |
| 06/30/98          | * | 125,464       | 3,937,739,237         | 31,385                   | 10.60   |

#### TEACHERS' RETIREMENT SYSTEM SCHEDULE OF ACTIVE MEMBER VALUATION DATA

§ - In addition, there are 2,711 employees with annual compensation of \$146,552,344 who are currently in the DROP program. Employers contribute on this payroll.

† - In addition, there are 973 employees with annual compensation of \$47,063,551 who are currently in the DROP program. Employers contribute on this payroll.

\* - Amounts include an 8.5% across-the-board pay increase effective October 1, 1998.

### Actuarial Section Teachers' Retirement System Supporting Schedules (Continued)

The following table presents a six-year history of a solvency test:

#### TEACHERS' RETIREMENT SYSTEM SOLVENCY TEST

(\$ in Thousands)

|           |   | Aggegate Accrued Liabilities For |                  |    |                  |    |                                 |                  |     |   |       |
|-----------|---|----------------------------------|------------------|----|------------------|----|---------------------------------|------------------|-----|---|-------|
|           |   |                                  | (1)              |    | (2)              |    | (3)<br>Active                   |                  |     |   |       |
| Valuation |   |                                  | Active<br>Member |    | Retirants<br>and | (  | Members<br>Employer<br>Financed | Reported         |     | 6 of Accrued<br>Liabilities<br>by Reporte | -     |
| Date      |   | Co                               | ontributions     |    | Beneficiaries    |    | Portions)                       | <br>Assets       | (1) | (2)                                       | (3)   |
| 06/30/03  |   | \$                               | 2,750,536        | \$ | 9,548,773        | \$ | 7,058,426                       | \$<br>18,110,470 | 100 | 100                                       | 82.3  |
| 06/30/02  | § |                                  | 2,690,967        |    | 8,526,609        |    | 7,156,598                       | 17,904,881       | 100 | 100                                       | 93.4  |
| 06/30/01  | γ |                                  | 2,607,236        |    | 7,471,415        |    | 7,159,965                       | 17,475,298       | 100 | 100                                       | 103.3 |
| 06/30/00  |   |                                  | 2,405,186        |    | 7,075,177        |    | 6,811,099                       | 16,703,929       | 100 | 100                                       | 106.1 |
| 06/30/99  | † |                                  | 2,335,475        |    | 6,582,401        |    | 6,650,316                       | 15,642,066       | 100 | 100                                       | 101.1 |
| 06/30/98  | * |                                  | 2,140,753        |    | 5,833,899        |    | 6,626,774                       | 14,533,824       | 100 | 100                                       | 99.0  |

§ Reflects effect of amendments to the System and additional allowance payable under Act 2002-393. Beginning 6/30/2002, item 2 includes DROP participants.

γ Reflects changes in actuarial assumptions.

† Reflects additional allowance payable under Act 2000-741.

\* Reflects change in asset method from market value to market related value, 8.5% across-the-board increase effective October 1, 1998, and additional allowance payable under Act 98-355.

The following table presents a six-year history of retirants and beneficiaries:

#### SCHEDULE OF RETIRANTS AND BENEFICIARIES ADDED AND REMOVED FROM ROLLS

| Fiscal |           |                  |               |               | Annual Allowa | ance | S       |
|--------|-----------|------------------|---------------|---------------|---------------|------|---------|
| Year   | Number of | Retirees and Bei | neficiaries * | Year-end      |               |      |         |
| Ended  | Added     | Removed          | Year-end      | <br>(000s)    | % Increase    |      | Average |
| 2003   | 3,782     | 1,275            | 54,410        | \$<br>963,130 | 8.6           | \$   | 17,701  |
| 2002   | 3,550     | 1,294            | 51,903        | 886,969       | 5.6           |      | 17,089  |
| 2001   | 3,225     | 1,280            | 49,647        | 839,704       | 9.4           |      | 16,913  |
| 2000   | 4,312     | 1,248            | 47,702        | 767,477       | 9.7           |      | 16,089  |
| 1999   | 2,756     | 1,176            | 44,638        | 699,517       | 12.8          |      | 15,671  |
| 1998   | 4,433     | 1,104            | 43,058        | 620,395       | 11.4          |      | 14,408  |

\* Does not include DROP participants.

The following table provides an analysis of actuarial gains and losses:

## TEACHERS' RETIREMENT SYSTEM ANALYSIS OF ACTUARIAL GAINS AND LOSSES AS OF JUNE 30, 2003

|  | <br>Amount          |
|--|---------------------|
| Unfunded Actuarial Liability as of June 30, 2002                       | \$<br>469,293,297   |
| Normal Cost for 2003 Plan Year   | 267,764,888         |
| Contributions Received During the Year                                 | (225,651,474)       |
| Interest to Year End   | <br>39,228,000      |
| Expected (Overfunded)/Unfunded Actuarial Liability as of June 30, 2003 | <br>550,634,711     |
| Actuarial (Gains)/Losses During the Year                               |                     |
| From Investments   | 732,958,475         |
| From Actuarial Liabilities   | <br>(36,328,269)    |
| Total Actuarial (Gains)/Losses During the Year                         | <br>696,630,206     |
| Actual Unfunded Actuarial Liability as of June 30, 2003                | \$<br>1,247,264,917 |





Mellon

October 6, 2003

Board of Control Employees' Retirement System of Alabama State Capitol Montgomery, AL 36104

Members of the Board:

In this report are submitted the results of the fifty-seventh annual valuation of the assets and liabilities of the Employees' Retirement System of Alabama, prepared as of September 30, 2002 in accordance with Section 36-27-23(p) of the act governing the operation of the System. The purpose of this report is to provide a summary of the funded status of the system as of September 30, 2002, to recommend rates of contribution and to provide accounting information under Governmental Accounting Standards Board Statements No. 25 and 27 (GASB 25 and 27). While not verifying the data at source, the actuary performed tests for consistency and reasonability. The valuation reflects the cost-of-living increase granted under Act 2002-393. On the basis of the valuation, it is recommended that the State make contributions to the Retirement System for State employees (members other than State policemen) at the rate of 5.57% of payroll. It is also recommended that the State make contributions to the Retirement at the rate of 18.03% of payroll.

The financing objective of the System has been to have contribution rates remain relatively level over time as a percentage of payroll. The promised benefits of the System are included in the actuarially calculated contribution rates which are developed using the entry age normal cost method. Market related value of plan assets is used for actuarial valuation purposes. Gains and losses are reflected in the unfunded accrued liability that is being amortized by regular annual contributions as a level percentage of payroll within a 20-year period for State Employees and State Police, on the assumption that payroll will increase by 4.5% annually. The assumptions recommended by the actuary and adopted by the Board are in the aggregate reasonably related to the experience under the Fund and to reasonable expectations of anticipated experience under the Fund and meet the parameters for the disclosures under GASB 25 and 27.

We have prepared the Schedule of Funding Progress and Trend Information shown in the financial section of the Comprehensive Annual Financial Report, and all supporting schedules including the Schedule of Active Member Valuation Data, the Solvency Test and the Analysis of Financial Experience shown in the actuarial section of the Comprehensive Annual Financial Report.

This is to certify that the independent consulting actuary is a member of the American Academy of Actuaries and has experience in performing valuations for public retirement systems, that the valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board, and that the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the retirement system and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the System.

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> > A Mellon Financial Company.<sup>5M</sup>

Actuarial Section Employees' Retirement System Actuarial Letter (Continued)

In our opinion the System is operating on an actuarially sound basis. Assuming that contributions to the System are made by the employer from year to year in the future at the rates recommended on the basis of the successive actuarial valuations, the continued sufficiency of the retirement fund to provide the benefits called for under the System may be safely anticipated.

The Table of Contents, which immediately follows, outlines the material contained in the report.

Respectfully submitted,

Edward A. Macdonald, ASA, MAAA, FCA Principal, Consulting Actuary

EAM:sh

#### **Summary of Actuarial Assumptions and Methods**

The Actuary selected the assumptions and methods used in the valuation based on the actuarial experience study prepared as of September 30, 2000, submitted on May 23, 2002, and adopted by the Board on June 5, 2002.

Investment Rate of Return: 8% per annum, compounded annually.

**Salary Increases:** Representative values of the assumed annual rates of future salary increases are as follows and include inflation at 4.50% per annum:

|     | Annual   |
|-----|----------|
| Age | Rate (%) |
| 20  | 7.66     |
| 25  | 7.75     |
| 30  | 7.61     |
| 35  | 7.25     |
| 40  | 6.98     |
| 45  | 6.60     |
| 50  | 6.32     |
| 55  | 5.84     |
| 60  | 5.49     |
| 65  | 5.05     |
|     |          |

Separations from Active Service: Representative values of the assumed annual rates of death, disability, withdrawal, and service retirement are as follows:

#### STATE AND LOCAL EMPLOYEES

|     | Annual Rate (%) of |        |      |         |       |            |  |
|-----|--------------------|--------|------|---------|-------|------------|--|
|     | D                  | eath   | Disa | ability | With  | Withdrawal |  |
| Age | Male               | Female | Male | Female  | Male  | Female     |  |
| 20  | 0.05               | 0.03   | 0.05 | 0.08    | 25.80 | 31.30      |  |
| 25  | 0.06               | 0.03   | 0.06 | 0.09    | 18.50 | 21.50      |  |
| 30  | 0.08               | 0.03   | 0.08 | 0.12    | 11.40 | 14.40      |  |
| 35  | 0.08               | 0.04   | 0.17 | 0.24    | 8.10  | 10.10      |  |
| 40  | 0.09               | 0.06   | 0.30 | 0.41    | 6.30  | 7.30       |  |
| 45  | 0.14               | 0.09   | 0.54 | 0.65    | 4.90  | 6.00       |  |
| 50  | 0.21               | 0.12   | 0.98 | 0.98    | 3.30  | 6.00       |  |
| 55  | 0.36               | 0.19   | 1.50 | 1.50    | 3.00  | 4.50       |  |
| 60  | 0.63               | 0.34   | 2.37 | 2.37    | 3.00  | 4.50       |  |
| 62  | 0.80               | 0.44   | 2.84 | 2.84    | 3.00  | 4.50       |  |
| 65  | 1.15               | 0.67   | 3.71 | 3.71    |       |            |  |
| 69  | 1.80               | 1.08   | 4.85 | 4.85    |       |            |  |

For members who are first eligible for unreduced benefits before age 50 or on or after age 60, rates are as follows:

| _   | Annual Rate of<br>Service Retirement |             |  |  |  |
|-----|--------------------------------------|-------------|--|--|--|
| Age | Male(%) §                            | Female(%) † |  |  |  |
| 45  | 11.00                                | 15.00       |  |  |  |
| 50  | 11.00                                | 15.00       |  |  |  |
| 55  | 45.00                                | 45.00       |  |  |  |
| 60  | 15.00                                | 15.00       |  |  |  |
| 62  | 45.00                                | 35.00       |  |  |  |
| 65  | 60.00                                | 50.00       |  |  |  |
| 69  | 30.00                                | 30.00       |  |  |  |
| 70  | 100.00                               | 100.00      |  |  |  |

§ Retirement rates increase by 20% in the year a member first becomes eligible for unreduced service retirement.

† Retirement rates increase by 25% in the year a member first becomes eligible for unreduced service retirement.

For members first eligible for unreduced benefits on or after age 50 but before age 60, no withdrawal or retirement is assumed to occur for the five years prior to DROP eligibility and 45% are assumed to retire in the first year of eligibility for DROP participation. The rates, thereafter, are as follows:

|     | Annual Rate of<br>Service Retirement |           |  |  |  |
|-----|--------------------------------------|-----------|--|--|--|
| Age | Male(%)                              | Female(%) |  |  |  |
| 58  | 15.00                                | 25.00     |  |  |  |
| 60  | 15.00                                | 15.00     |  |  |  |
| 62  | 45.00                                | 35.00     |  |  |  |
| 65  | 60.00                                | 50.00     |  |  |  |
| 70  | 100.00                               | 100.00    |  |  |  |

#### Actuarial Section

#### Employees' Retirement System

Summary of Actuarial Assumptions and Methods (Continued), Actuarial Cost Methods, and Summary of Plan Provisions

|     | Annual Rate (%) of |        |            |              |                |                |  |
|-----|--------------------|--------|------------|--------------|----------------|----------------|--|
|     | Death              |        |            |              | Service        | Service        |  |
| Age | Male               | Female | Disability | Withdrawal † | Retirement "A" | Retirement "B" |  |
| 20  | 0.05               | 0.03   | 0.04       | 1.00         |                |                |  |
| 25  | 0.06               | 0.03   | 0.05       | 1.00         |                |                |  |
| 30  | 0.08               | 0.03   | 0.07       | 1.50         |                |                |  |
| 35  | 0.08               | 0.04   | 0.11       | 2.00         |                |                |  |
| 40  | 0.09               | 0.06   | 0.17       | 1.00         |                |                |  |
| 45  | 0.14               | 0.09   | 0.23       | 0.50         |                |                |  |
| 50  | 0.21               | 0.12   | 0.30       |              | 20.00          |                |  |
| 55  | 0.36               | 0.19   | 0.35       |              | 10.00          | 30.00          |  |
| 60  | 0.63               | 0.34   |            |              |                | 30.00          |  |
| 62  | 0.80               | 0.44   |            |              |                | 30.00          |  |
| 65  | 1.15               | 0.67   |            |              |                | 100.00         |  |
| 69  | 1.80               | 1.08   |            |              |                | 100.00         |  |
| 70  |                    |        |            |              |                | 100.00         |  |

#### STATE POLICEMEN

† Higher rates are assumed during the first three years of employment.

A - For those who will become eligible for DROP prior to age 57, these are the rates in effect prior to the DROP eligibility. An additional 20% are assumed to retire in the first year of eligibility for unreduced benefits. 80% are assumed to retire in the first year eligible for DROP participation if less than age 57.

B - Rates for those who will not become eligible for DROP prior to age 57. An additional 25% are assumed to retire in the first year of eligibility for unreduced benefits. Also, for those who will become eligible for DROP prior to age 57, these are the rates after the first year of DROP eligibility.

**Death after Retirement:** The rate of mortality after service retirement are based on the George B. Buck 1979 Table for males rated forward one year and the George B. Buck 1979 Table for females. Special tables are used for the period after disability retirement.

**Spousal Benefit:** For those eligible for spousal benefits, it is assumed that 75% will elect the lump sum death benefit and 25% will elect the spousal benefit.

Percent Married: 100% of employees are assumed to be married, with the wife 3 years younger than the husband.

Actuarial Method: Entry age normal cost method. Actuarial gains and losses are reflected in the unfunded actuarial accrued liability.

Assets: Actuarial value. The actuarial value of assets recognizes a portion of the difference between the market value of the assets and the expected value of the assets, based on the assumed valuation rate of return. Each year 20% of the difference between the market value and expected value is recognized.

#### **Actuarial Cost Method**

- The valuation is prepared on the projected benefit basis, which is used to determine the present value of each member's expected benefit payable at retirement or death. The calculations are based on the member's age, years of service, sex, compensation, expected future salary increases, and an assumed future interest earnings rate (currently 8%). The calculations consider the probability of a member's death or termination of employment prior to becoming eligible for a benefit and the probability of the member terminating with a service, disability, or survivor's benefit. The present value of the expected benefits payable to active members is added to the present value of the expected beneficiaries to obtain the present value of all expected benefits payable to the present group of members and beneficiaries.
- 2. The employer contributions required to support the benefits of the System are determined following a level funding approach and consist of a normal contribution and an accrued liability contribution.
- 3. The normal contribution is determined using the "entry age normal" method. Under this method, a calculation is made to determine the uniform and constant percentage rate of employer contributions which, if applied to the compensation of the average new member during the entire period of the member's anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on the member's behalf.
- 4. The unfunded accrued liability is determined by subtracting the current assets and the present value of prospective employer normal contributions and member contributions from the present value of expected benefits to be paid from the System. The accrued liability contribution amortizes the balance of the unfunded accrued liability over a period of years from the valuation date.

#### Summary of Plan Provisions as Interpreted for Valuation Purposes

The Employees' Retirement System of Alabama was established on October 1, 1945. The valuation considered amendments to the System effective through the valuation date. The following summary describes the main benefit and contribution provisions of the System as interpreted for the valuation.

#### Definitions

Average Final Compensation - the average compensation of a member for the 3 highest years in the last 10 years of creditable service.

Membership Service - all service rendered while a member of the Retirement System and for which contributions are made.

Creditable Service - the sum of membership service, prior service, and any other previous service established as creditable in accordance with the provisions of the retirement law.

Annuity - payments for life derived from accumulated contributions of a member.

Pension - payments for life derived from the accumulated contributions of an employer.

Retirement Allowance - the sum of the annuity and pension payments.

#### Benefits - Members Classified as Other Than State Policemen

Service Retirement Allowance

| Condition for Allowance | A retirement allowance is payable upon the request of any member who has   |
|-------------------------|--|
|                         | completed 25 years of creditable service (except for local employers that  |
|                         | maintained 30-year retirement by not electing 25-year retirement) or who   |
|                         | has attained age 60 and completed at least 10 years of creditable service. |

## Actuarial Section Employees' Retirement System Summary of Plan Provisions (Continued)

| Amount of Allowance                              | Upon service retirement, a member receives a retirement allowance equal to 2.0125% of the member's average final compensation multiplied by the number of years of creditable service. At retirement, a member receives one additional year of creditable service in determining retirement allowance for each five years of service as a full-time certified firefighter, police officer, or correctional officer.                                |
|--|--|
|  | The member may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement – All Employees" below).   |
| Disability Retirement Allowance                  |  |
| Condition for Allowance                          | A disability retirement allowance may be granted to a member who has 10 or<br>more years of creditable service and becomes permanently incapacitated for<br>duty before reaching eligibility for service retirement.   |
| Amount of Allowance                              | Upon retirement for disability, a member receives a retirement allowance equal to 2.0125% of the member's average final compensation multiplied by the number of years of the member's creditable service. At retirement, a member receives one additional year of creditable service in determining retirement allowance for each five years of service as a full-time certified firefighter, police officer, or correctional officer.            |
|  | The member may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement – All Employees" below).   |
| Benefits Payable on<br>Separation of Service     | Any member who withdraws from service is entitled to receive a return of member contributions with allowable interest. A member who has completed at least 10 years of creditable service may, after separation from service, continue membership in the System and file for service retirement after reaching age 60.   |
| Benefits Payable upon<br>Death in Active Service | In the event of the death of a member eligible for service retirement, the designated beneficiary may elect: (1) to exercise option 3 as defined below under "Special Privileges at Retirement – All Employees" or (2) to receive a return of member contributions and total interest earned plus a death benefit equal to the salary on which the member made retirement contributions for the previous fiscal year (October 1 – September 30). * |
|  | In the event of the death of a member with more than one year of service who is not eligible for retirement, the designated beneficiary shall receive a return of member contributions and total interest earned. Also, the designated beneficiary shall receive an additional death benefit equal to the salary on which the member retirement contributions were made for the previous fiscal year (October 1 – September 30). *                 |
|  | In the event of a job-related death of a member at any age with less than 1 year of service, the beneficiary shall receive the return of member contributions and total earned interest plus a death benefit equal to the annual earnable compensation of the member at the time death occurs. *   |

|                                 | In the event of a non job-related death of a member with less than 1 year of service, the beneficiary shall receive the return of member contributions and total interest earned plus a matching death benefit, which is limited to a maximum of \$5,000.   |
|---------------------------------|---|
|                                 | * However, if the death occurred more than 180 calendar days after the member's last day in pay status, or if the deceased had applied for a refund of contributions or terminated employment, the lump sum will be the same as if the member had less than one year of service and the death was not job-related.  |
| Deferred Retirement Option Plan |   |
| (DROP)                          | A member may elect to participate in the Deferred Retirement Option Plan (DROP) upon completion of at least 25 years (at least 30 years for units that did not elect 25 year retirement) of creditable service (excluding sick leave) and attainment of at least 55 years of age. Under the DROP, the member may defer receipt of a retirement allowance and continue employment for a period not to exceed five years, nor to be less than three years. At the end of the period, the member may withdraw from active service credit at the time of enrollment in the DROP, and also receive a payment for the deferred retirement benefits, employee contributions while participating in the DROP, and interest earned on DROP deposits. |
| Member Contributions            | Regular members contribute 5% of salary. Certified firefighters, police officers and correctional officers contribute 6% of salary. DROP participants continue to contribute during the DROP period, but receive a refund of these contributions and interest upon retirement.  |

#### **Benefits – Members Classified as State Policemen**

| Service Retirement Allowance |  |
|------------------------------|--|
| Condition of Allowance       | A retirement allowance is payable upon the request of any member who has completed 25 years of creditable service or who has attained age 52 and completed at least 10 years of creditable service.                  |
| Amount of Allowance          | Upon service retirement, a member receives a retirement allowance equal to 2.875% of the member's average final compensation multiplied by the number of years of their creditable service.                          |
|                              | The member may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement – All Employees" below). |
|                              | A member who has attained 20 or more years of creditable service and retires prior to age 60 is eligible to receive a "bonus service credit" up to 4 years as follows:   |
|                              | -Age 56 or older – bonus service of 4 years reduced by 1 month for each month over the age of 56.  |
|                              | -Age 52 to 56 – bonus service of 4 years.  |
|                              | -Age 52 or less (disability retirement only) – bonus service of 4 years.   |

## Actuarial Section

## Employees' Retirement System Summary of Plan Provisions (Continued) and Supporting Schedules

| Disability Retirement Allowance                  | -Age 52 or less with 25 or more years of service – bonus service of 4 years.  |
|--|---|
| Disability Retirement Anowaltee                  |   |
| Condition for Allowance                          | A disability retirement allowance may be granted to a member who has 10 or<br>more years of creditable service or who becomes disabled as a result of his or<br>her employment in the line of duty without regard to his or her years of<br>creditable service, and who becomes permanently incapacitated, mentally or<br>physically, for the further performance of duty before reaching the minimum<br>age for service retirement.                      |
| Amount of Allowance                              | Upon retirement for disability, a member receives a retirement allowance equal to 2.875% of the member's average final compensation multiplied by the number of years of their creditable service.  |
|  | The member may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement – All Employees" below).  |
| Benefits Payable upon<br>Separation from Service | Any member who withdraws from service is entitled to receive a return of member contributions with allowable interest. A member who has completed 10 years or more of creditable service may, after separation from service, continue in the membership of the System and file for service retirement after the attainment of age 52.   |
| Benefits Payable upon<br>Death in Active Service | In the event of the death of a member who is eligible for service retirement, the designated beneficiary may elect: (1) to exercise option 3 as defined below under "Special Privileges at Retirement – All Employees" or (2) to receive a return of member contributions and total interest earned plus a death benefit equal to the salary on which the member made retirement contributions for the previous fiscal year (October 1 – September 30). * |
|  | In the event of the death of a member with one or more years of service who is not eligible for service retirement, the designated beneficiary shall receive a return of member contributions and total interest earned plus an additional death benefit equal to the salary on which member retirement contributions were made for the previous fiscal year (October $1 -$ September 30). *  |
|  | In the event of a job-related death of a member at any age with less than 1 year of service, the designated beneficiary shall receive the return of member contributions and total earned interest plus a death benefit equal to the annual earnable compensation of the member at the time death occurs. *   |
|  | In the event of a non job-related death of a member with less than 1 year of service, the designated beneficiary shall receive the return of member contributions and total interest earned plus a matching death benefit, which is limited to a maximum of \$5,000.  |
|  | * However, if the death occurred more than 180 calendar days after the member's last day in pay status, or if the deceased had applied for a refund of contributions or terminated employment, the lump sum will be the same as if the member had less than one year of service and the death was not job-related.  |

Deferred Retirement Option Plan (DROP)

A member may elect to participate in the Deferred Retirement Option Plan (DROP) upon completion of at least 25 years of creditable service (excluding sick leave) and attainment of at least 52 years of age. Under the DROP, the member may defer receipt of a retirement allowance and continue employment for a period not to exceed five years, nor to be less than three years. At the end of the period, the member may withdraw from active service and receive the retirement benefit based on his or her years of service credit at the time of enrollment in the DROP, and also receive a payment for the deferred retirement benefits, employee contributions while participating in the DROP, and interest earned on DROP deposits.

| Member Contributions | Members contribute 10% of salary. DROP participants continue to  |
|----------------------|--|
|                      | contribute during the DROP period, but receive a refund of these |
|                      | contributions with interest upon retirement.                     |

Special Privileges at Retirement – All Members

In lieu of the full retirement allowance, any member may, at retirement, elect to receive a reduced retirement allowance equal in value to the full retirement allowance, with the provision that:

- Option 1: If a member dies before the annuity payments equal or exceed the present value of the member's annuity at the date of retirement, the balance is paid to a designated beneficiary or to the member's estate, or
- Option 2: After the member's death, the member's allowance is continued throughout the life of the designated beneficiary, or
- Option 3: After the member's death, one-half of the member's retirement allowance is continued throughout the life of the designated beneficiary, or
- Option 4: Some other benefit is paid either to the member or the designated beneficiary, provided such benefit, together with the reduced retirement allowance, is of equivalent actuarial value to the member's retirement allowance and is approved by the Board of Control.

#### **Supporting Schedules**

The following schedule provides a six-year history on active member valuation data:

#### EMPLOYEES' RETIREMENT SYSTEM SCHEDULE OF ACTIVE MEMBER VALUATION DATA

|   | Valuation<br>Date | Number | Annual<br>Payroll | Annual<br>Average<br>Pay | % Increase<br>in Average<br>Pay |
|---|-------------------|--------|-------------------|--------------------------|---------------------------------|
| * | 09/30/02          | 81,545 | \$ 2,525,514,089  | \$ 30,971                | 3.20                            |
|   | 09/30/01          | 80,256 | 2,408,542,913     | 30,011                   | 2.33                            |
|   | 09/30/00          | 77,693 | 2,278,637,042     | 29,329                   | 2.85                            |
|   | 09/30/99          | 75,734 | 2,159,607,572     | 28,516                   | 2.37                            |
|   | 09/30/98          | 73,990 | 2,061,103,741     | 27,857                   | 6.39                            |
|   | 09/30/97          | 75,274 | 1,970,921,776     | 26,183                   | 2.51                            |

\*In addition, there are 428 members with compensation of \$22,260,590 who are currently participating in the DROP. Employers of the Retirement System contribute on this payroll.

## Actuarial Section Employees' Retirement System Supporting Schedules (Continued)

The following table provides a six-year history of solvency tests:

## EMPLOYEES' RETIREMENT SYSTEM OF ALABAMA

**SOLVENCY TEST** (\$ in Thousands)

|            | Aggegate         |                  |                                  |              |     |  |       |
|------------|------------------|------------------|----------------------------------|--------------|-----|--|-------|
|            | (1)              | (2)              | (3)<br>Active                    |              |     |  |       |
| Valuation  | Active<br>Member | Retirants<br>and | Members<br>(Employer<br>Financed | Reported     | ]   | 1 (%) of Acc<br>Liabilities<br>by Reported |       |
| Date       | Contributions    | Beneficiaries    | Portion)                         | Assets       | (1) | (2)  | (3)   |
| 09/30/02   | \$ 1,400,699     | \$ 3,580,584     | \$ 3,512,186                     | \$ 8,100,846 | 100 | 100  | 88.8  |
| 09/30/01 § | 1,319,603        | 3,244,967        | 3,445,553                        | 8,028,471    | 100 | 100  | 100.5 |
| 09/30/00   | 1,219,344        | 3,080,504        | 3,104,120                        | 7,769,122    | 100 | 100  | 111.8 |
| 09/30/99   | 1,152,050        | 2,826,060        | 2,906,245                        | 7,302,046    | 100 | 100  | 114.4 |
| 09/30/98 † | 1,022,088        | 2,788,846        | 2,753,144                        | 6,888,446    | 100 | 100  | 111.8 |
| 09/30/97 * | 1,016,854        | 2,161,301        | 2,639,942                        | 6,463,795    | 100 | 100  | 124.5 |

§ Reflects changes in actuarial assumptions.

† Reflects change in asset method from market value to market related value.

\* Reflects change in asset method from market related value to market value.

The following table presents a six-year history of data concerning retirants and beneficiaries:

#### EMPLOYEES' RETIREMENT SYSTEM SCHEDULE OF RETIRANTS AND BENEFICIARIES ADDED AND REMOVED FROM ROLLS

| Fiscal |           |                           |          | <br>A         | nnual Allowanc | es |         |
|--------|-----------|---------------------------|----------|---------------|----------------|----|---------|
| Year   | Number of | <b>Retirees and Benef</b> | iciaries | Year-end      |                |    |         |
| Ended  | Added     | Removed                   | Year-end | <br>(000s)    | % Increase     |    | Average |
| 2003   | 1,702     | 709                       | 28,920   | \$<br>430,633 | 8.1            | \$ | 14,890  |
| 2002   | 1,678     | 760                       | 27,927   | 398,383       | 5.5            |    | 14,265  |
| 2001   | 1,458     | 803                       | 27,009   | 377,548       | 8.1            |    | 13,979  |
| 2000   | 1,589     | 828                       | 26,354   | 349,260       | 5.1            |    | 13,253  |
| 1999   | 1,121     | 787                       | 25,593   | 332,237       | 9.5            |    | 12,982  |
| 1998   | 3,170     | 688                       | 25,259   | 303,401       | 17.8           |    | 12,012  |

The following table provides an analysis of actuarial gains and losses:

#### EMPLOYEES' RETIREMENT SYSTEM ANALYSIS OF ACTUARIAL GAINS AND LOSSES AS OF SEPTEMBER 30, 2002

|  |           | Amount        |
|--|-----------|---------------|
| (Overfunded) Actuarial Liability as of September 30, 2001          | \$        | (18,348,476)  |
| Normal Cost for 2002 Plan Year                                     |           | 130,805,728   |
| Contributions Received During the Year                             |           | (128,318,163) |
| Interest to Year End   |           | (1,368,375)   |
| Expected (Overfunded) Actuarial Liability as of September 30, 2002 |           | (17,229,286)  |
| Actuarial (Gains)/Losses During the Year                           |           |               |
| From Investments   |           | 421,317,458   |
| From Actuarial Liabilities   |           | (11,465,614)  |
| Total Actuarial (Gains)/Losses During the Year                     |           | 409,851,844   |
| Actual Unfunded Actuarial Liability as of September 30, 2002       | <u>\$</u> | 392,622,558   |



Mellon

September 26, 2003

Board of Control Judicial Retirement Fund of Alabama State Capitol Montgomery, AL 36104

Members of the Board:

In this report are submitted the results of the annual actuarial valuation of the assets and liabilities of the Alabama Judicial Retirement Fund, prepared as of September 30, 2002 in accordance with Section 36-27-23(p) of the act governing the operation of the Fund. The purpose of this report is to provide a summary of the funded status of the Fund as of September 30, 2002, to recommend rates of contribution and to provide accounting information under Governmental Accounting Standards Board Statements No. 25 and 27 (GASB 25 and 27). While not verifying the data at source, the actuary performed tests for consistency and reasonability. The valuation liabilities include the salary increases and the corresponding increase in retired members' allowances granted under Act 99-427. On the basis of the valuation, it is recommended that the State continue to make contributions to the Retirement Fund at the rate of 21.93% of payroll.

The financing objective of the Fund has been to have contribution rates remain relatively level over time as a percentage of payroll. The promised benefits of the Fund are included in the actuarially calculated contribution rates which are developed using the projected unit credit cost method. Market related value of plan assets is used for actuarial valuation purposes. Gains and losses are reflected in the unfunded accrued liability that is being amortized by regular annual contributions as a level percentage of payroll within a 20-year period, on the assumption that payroll will increase by 4.5% annually. The assumptions recommended by the actuary and adopted by the Board are in the aggregate reasonably related to the experience under the Fund and to reasonable expectations of anticipated experience under the Fund and meet the parameters for the disclosures under GASB 25 and 27.

We have prepared the Schedule of Funding Progress and Trend Information shown in the financial section of the Annual Report, and all supporting schedules including the Schedule of Active Member Valuation Data, the Solvency Test and the Analysis of Financial Experience shown in the actuarial section of the Annual Report.

This is to certify that the independent consulting actuary is a member of the American Academy of Actuaries and has experience in performing valuations for public retirement systems, that the valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board, and that the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the retirement system and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the Fund.

A Mellon Financial Company.<sup>5M</sup>

Actuarial Section Judicial Retirement Fund Actuarial Letter (Continued)

In our opinion the Fund is operating on an actuarially sound basis. Assuming that contributions to the Fund are made by the employer from year to year in the future at the rates recommended on the basis of the successive actuarial valuations, the continued sufficiency of the retirement fund to provide the benefits called for under the Fund may be safely anticipated.

The Table of Contents, which immediately follows, outlines the material contained in the report.

Respectfully submitted,

Edward A. Macdonald, ASA, MAAA, FCA Principal, Consulting Actuary

EAM:sh

#### **Summary of Actuarial Assumptions and Methods**

The Actuary selected the assumptions and methods used in the valuation based on the actuarial experience study prepared as of September 30, 2000, submitted May 23, 2002, and adopted by the Board on June 5, 2002.

Investment Rate of Return: 8% per annum, compounded annually.

Salary Increases: 5% per annum, compounded annually.

**Separations Before Retirement:** Representative values of the assumed annual rates of death and disability are as follows:

|     | Annual Rate (%) of |        |            |  |
|-----|--------------------|--------|------------|--|
|     | D                  | eath   |            |  |
| Age | Male               | Female | Disability |  |
| 30  | 0.08               | 0.03   | 0.08       |  |
| 35  | 0.08               | 0.04   | 0.16       |  |
| 40  | 0.09               | 0.06   | 0.27       |  |
| 45  | 0.14               | 0.09   | 0.43       |  |
| 50  | 0.21               | 0.12   | 0.65       |  |
| 55  | 0.36               | 0.19   | 1.00       |  |
| 60  | 0.63               | 0.34   | 1.58       |  |
| 64  | 1.01               | 0.58   | 2.28       |  |

**Rates of Retirement:** 30% of members are assumed to retire in the first year of eligibility and 5% in each year thereafter. All remaining members are assumed to retire at age 70.

**Deaths after Retirement:** The rate of mortality after service retirement are based on the George B. Buck 1979 Table for males rated forward one year and the George B. Buck 1979 Table for females. Special mortality tables are used for the period after disability retirement.

Percent Married: 90% of members are assumed to be married.

Actuarial Method: Projected unit credit method. Gains and losses are reflected in the unfunded accrued liability.

Assets: Actuarial Value. The actuarial value of assets recognizes 20% of the difference between the market value of assets and the expected actuarial value of assets.

#### **Summary of Plan Provisions as Interpreted for Valuation Purposes**

The Judicial Retirement Fund (JRF) was established on September 18, 1973. The valuation considered amendments to the JRF through the valuation date. The following summary describes the main benefit and contribution provisions of the JRF as interpreted for the valuation.

#### Membership

Any justice of the Supreme Court, judge of the Court of Civil Appeals, judge of the Court of Criminal Appeals, judge of the Circuit Court, or officeholder of any newly created judicial office receiving compensation from the State Treasury who was holding office on the effective date of the Act and elected to come under its provisions became a member of the JRF. Justices, Appellate Judges, and Circuit Judges elected or appointed after September 18, 1973 must become a member of the JRF. Also, District Judges appointed after October 1, 1975 and Probate Judges elected or appointed after October 1, 1976 must become a member of the JRF. Certain other district and probate judges as well as certain former county court judges, district attorneys, or assistant district attorneys serving as circuit judges and certain supernumerary judges and justices may also elect to become a member.

#### **Credited Service**

Credited service is service as a member plus certain periods of previous service credited in accordance with the provisions of the Act.

#### Benefits

Service Retirement Benefit

| Condition of Benefit | A retirement benefit is payable upon request of any member who has:  |
|----------------------|--|
|                      | -Completed 12 years of credited service and has attained age 65, or  |
|                      | -Completed 15 years of credited service and whose age plus service equals or exceeds 77, or  |
|                      | -Completed at least 18 years of credited service or three full terms as a judge or justice, or   |
|                      | -Completed 10 years of credited service and has attained age 70, or  |
|                      | -Completed 25 years of service or 24 years of service provided the member purchases one year of service prior to retirement, regardless of age.  |
|                      | However, a judge who became a member on or after July 30, 1979 or who<br>is a district or probate judge must meet the following age and service<br>requirement combinations in order to be eligible to retire (except judges<br>with at least 25 years of creditable service): |
|                      | -Age 70 with at least 10 years of service<br>-Age 65 or greater with at least 12 years of service<br>-Age 62 or greater with at least 15 years of service<br>-Age 61 with at least 16 years of service<br>-Age 60 with at least 17 years of service                            |
| Amount of Benefit    | The service retirement benefit for a member is equal to:   |
|                      | (a) For circuit or appellate judges who were members prior to July 30,<br>1979, 75% of the salary prescribed by law for the position from which<br>the member retires.   |

## RETIREMENT SYSTEMS OF ALABAMA Actuarial Section

#### Actuarial Section Judicial Retirement Fund Summary of Plan Provisions (Continued) and Supporting Schedules

|   | (comment) and supporting seneration  |
|---|--|
|   | (b) For circuit and appellate judges who assumed office on or after July 30, 1979, 75% of the member's salary at the time of separation from service.  |
|   | (c) For probate judges, 75% of the member's salary at the time of<br>separation from service.  |
|   | (d) For district judges, 75% of the position's salary immediately prior to<br>retirement.  |
| Disability Retirement Benefit                 |  |
| Condition of Benefit                          | A disability retirement benefit is payable to any member who becomes<br>permanently unable, physically or mentally, to carry out their duties on a<br>full-time basis, provided the member has completed five or more years of<br>credited service.  |
| Amount of Benefit                             | The disability retirement benefit for a judge is equal to 25% of the salary prescribed by law for the position at the time of retirement from which the member retires on disability plus 10% of such salary for each year of credited service in excess of five years. The disability retirement benefit is subject to a 30% minimum and a 75% maximum of such salary. The retirement benefit for a circuit judge and for an appellant judge who assumed office prior to July 30, 1979, is adjusted as current salaries are adjusted. |
| Spousal Benefits                              |  |
| Condition of Benefit                          | Upon the death of an active, inactive, or retired member with at least 5 years of credited service, a death benefit is payable to the member's spouse.   |
| Amount of Benefit                             | The death benefit for the spouse of a judge other than a district or probate judge consists of a yearly benefit equivalent to 3% of the salary prescribed by law for the position for each year of service of the former member, not to exceed 30% of such salary.   |
|   | The death benefit for the spouse of a district judge consists of a yearly benefit equal to 3% of the position's salary prescribed by law at the time of death for each year of service not to exceed 30% of such salary.   |
|   | For the spouse of a probate judge, the yearly benefit is equal to the greater of \$480 for each year of credited service to a maximum of 10 year, or 3% of the judge's salary at the time of their separation from service for each year of credited service not to exceed 30% of such salary.   |
|   | The benefit is payable for the spouse's life or until remarriage.  |
| Benefit Payable on<br>Separation from Service | If a member terminates service and elects not to withdraw his or her<br>contributions and accrued interest from the JRF, the member is eligible to<br>receive any of the above benefits for which the member has sufficient<br>credited service upon reaching an eligible retirement age.  |
|   | A member terminating service prior to reaching eligibility for retirement  |

A member terminating service prior to reaching eligibility for retirement benefits may elect to receive a refund of their accumulated contributions

|                      | and interest (the amount of accrued interest refundable to a District or<br>Probate Judge is based upon the same rules and regulations applicable to<br>similar refunds under ERS). |
|----------------------|---|
| Member Contributions | Each member contributes 6% of salary.   |
| State Contributions  | The State makes contributions, which, in addition to the members' contributions, are sufficient to carry out the provisions of the Act.   |

## **Supporting Schedules**

The following schedule presents six years of active member valuation data:

#### JUDICIAL RETIREMENT FUND SCHEDULE OF ACTIVE MEMBER VALUATION DATA

% Increase

| Valuation<br>Date | Number | Annual<br>† Payroll | Annual<br>Average<br>Pay | (Decrease)<br>in Average<br>Pay |
|-------------------|--------|---------------------|--------------------------|---------------------------------|
| 09/30/02          | 331    | \$<br>37,849,332    | \$<br>114,348            | 9.95                            |
| 09/30/01          | 326    | 33,902,846          | 103,996                  | 26.04                           |
| 09/30/00          | 326    | 26,898,150          | 82,510                   | (0.88)                          |
| 09/30/99          | 325    | 27,053,721          | 83,242                   | 7.94                            |
| 09/30/98          | 318    | 24,523,217          | 77,117                   | 0.03                            |
| 09/30/97          | 319    | 24,593,274          | 77,095                   | 0.25                            |

† Does not include salary increases effective after the valuation date.

The following schedule presents six years of solvency tests:

#### JUDICIAL RETIREMENT FUND SOLVENCY TEST

(\$ in Thousands)

|                            | Aggegate      | Accrued Liabiliti | es For                           |            |   |     |       |  |
|----------------------------|---------------|-------------------|----------------------------------|------------|---|-----|-------|--|
|                            | (1)           | (2)               | (3)<br>Active                    |            |   |     |       |  |
| Active<br>Valuation Member |               | Retirants<br>and  | Members<br>(Employer<br>Financed | Reported   | Portion (%) of Accrued<br>Liabilities<br>Covered by Reported Assets |     |       |  |
| Date                       | Contributions | Beneficiaries     | Portion)                         | Assets     | (1)   | (2) | (3)   |  |
| 09/30/02                   | \$ 23,537     | \$ 184,490        | \$ 81,831                        | \$ 245,425 | 100   | 100 | 45.7  |  |
| 09/30/01 *                 | 21,015        | 189,375           | 78,654                           | 245,705    | 100   | 100 | 44.9  |  |
| 09/30/00                   | 20,865        | 169,016           | 78,897                           | 239,023    | 100   | 100 | 62.5  |  |
| 09/30/99                   | 18,812        | 171,346           | 73,333                           | 221,926    | 100   | 100 | 43.3  |  |
| 09/30/98 †                 | 17,665        | 154,319           | 74,194                           | 210,116    | 100   | 100 | 51.4  |  |
| 09/30/97 ‡                 | 16,294        | 120,633           | 53,644                           | 198,014    | 100   | 100 | 113.9 |  |

\* Reflects change in post retirement mortality.

† Reflects change in asset method from market value to market-related value.

‡ Reflects change in asset method from market-related value to market value.

The following schedule presents six years of retirant and beneficiary data:

#### SCHEDULE OF RETIRANTS AND BENEFICIARIES ADDED AND REMOVED FROM ROLLS

| Fiscal<br>Year | Number of 1 | Retirees and Benef | iciaries | <br>A            | nnual Allowance | es |         |
|----------------|-------------|--------------------|----------|------------------|-----------------|----|---------|
| Ended          | Added       | Removed            | Year-end | <br>Year-end     | % Increase      | _  | Average |
| 2003           | 14          | 7                  | 276      | \$<br>18,002,868 | 7.6             | \$ | 65,228  |
| 2002           | 8           | 10                 | 269      | 16,728,048       | 4.5             |    | 62,186  |
| 2001           | 25          | 6                  | 271      | 16,006,800       | 44.7            |    | 59,066  |
| 2000           | 3           | 3                  | 252      | 11,060,436       | (2.1)           |    | 43,891  |
| 1999           | 13          | 4                  | 252      | 11,293,512       | 12.8            |    | 44,816  |
| 1998           | 8           | 3                  | 243      | 10,015,812       | 2.5             |    | 41,217  |

The following table provides an analysis of actuarial gains and losses:

#### JUDICIAL RETIREMENT FUND ANALYSIS OF ACTUARIAL GAINS AND LOSSES AS OF SEPTEMBER 30, 2002

|  | Amount               |
|--|----------------------|
| Unfunded Actuarial Liability as of September 30, 2001          | \$ 43,339,350        |
| Normal Cost for 2002 Plan Year                                 | 5,310,261            |
| Contributions Received During the Year                         | (7,921,786)          |
| Interest to Year End   | 3,362,687            |
| Expected Unfunded Actuarial Liability as of September 30, 2002 | 44,090,512           |
| Actuarial (Gains)/Losses During the Year                       |                      |
| From Investments   | 13,157,042           |
| From Actuarial Liabilities                                     | (12,814,554)         |
| Total Actuarial (Gains)/Losses During the Year                 | 342,488              |
| Actual Unfunded Actuarial Liability as of September 30, 2002   | <u>\$ 44,433,000</u> |

# STATISTICAL SECTION

## Statistical Section Revenues by Source Six-Year History

## (Amounts in Thousands)

#### TEACHERS' RETIREMENT SYSTEM REVENUES BY SOURCE

|                |    |                         | Eı | nployer Co | ntributions        |                      |                 |
|----------------|----|-------------------------|----|------------|--------------------|----------------------|-----------------|
| Fiscal<br>Year | -  | /lember<br>tributions § |    | Amount     | Employer<br>Rate % | Investment<br>Income | <br>Total       |
| 2003           | \$ | 252,018                 | \$ | 235,786    | 5.02               | \$ 2,004,431         | \$<br>2,492,235 |
| 2002           |    | 235,726                 |    | 265,670    | 5.96               | (1,244,757)          | (743,361)       |
| 2001           |    | 230,618                 |    | 279,880    | 6.38               | (1,090,706)          | (580,208)       |
| 2000           |    | 214,003                 |    | 277,180    | 6.38               | 1,414,568            | 1,905,751       |
| 1999           |    | 217,205                 |    | 166,100    | 4.03               | 1,829,883            | 2,213,188       |
| 1998           |    | 199,780                 |    | 358,088    | 9.66               | 564,331              | 1,122,199       |

#### EMPLOYEES' RETIREMENT SYSTEM REVENUES BY SOURCE

|        |     |              | <br>I         | Employer Contr | ibutions      |       | _  |           |    |           |
|--------|-----|--------------|---------------|----------------|---------------|-------|----|-----------|----|-----------|
|        |     |              |               | Em             | ployer Rate % | 6     | _  |           |    |           |
| Fiscal | Ι   | Member       |               | State          |               |       | Iı | ivestment |    |           |
| Year   | Con | tributions § | Amount        | Regular        | Law           | Local |    | Income    | _  | Total     |
| 2003   | \$  | 162,284      | \$<br>154,218 | 3.95           | 9.24          | *     | \$ | 938,921   | \$ | 1,255,423 |
| 2002   |     | 151,221      | 123,887       | 3.95           | 9.24          | *     |    | (656,360) |    | (381,252) |
| 2001   |     | 132,238      | 122,483       | 4.08           | 9.45          | *     |    | (530,968) |    | (276,247) |
| 2000   |     | 118,128      | 113,991       | 4.08           | 9.45          | *     |    | 655,108   |    | 887,227   |
| 1999   |     | 112,779      | 97,373        | 3.11           | 6.85          | *     |    | 857,378   |    | 1,067,530 |
| 1998   |     | 108,477      | 157,246       | 7.56           | 15.74         | *     |    | 254,330   |    | 520,053   |

#### JUDICIAL RETIREMENT FUND REVENUES BY SOURCE

#### **Employer Contributions**

| Fiscal<br>Year | lember<br>ributions § | A  | mount | Employer<br>Rate % | vestment<br>Income | <br>Total    |
|----------------|-----------------------|----|-------|--------------------|--------------------|--------------|
| 2003           | \$<br>2,342           | \$ | 8,637 | 21.19              | \$<br>20,855       | \$<br>31,834 |
| 2002           | 2,356                 |    | 8,222 | 21.19              | (23,333)           | (12,755)     |
| 2001           | 2,212                 |    | 7,598 | 21.19              | (24,197)           | (14,387)     |
| 2000           | 1,643                 |    | 5,696 | 21.19              | 25,081             | 32,420       |
| 1999           | 1,594                 |    | 2,870 | 9.16               | 27,800             | 32,264       |
| 1998           | 1,467                 |    | 5,417 | 19.71              | 17,378             | 24,262       |

§ Includes transfers from other systems.

\* Local agency rates differ for each participating agency.

## Statistical Section Expenses by Type Six-Year History

(Amounts in Thousands)

#### TEACHERS' RETIREMENT SYSTEM EXPENSES BY TYPE

| Fiscal<br>Year | Benefit<br>ayments | Re | tribution<br>funds &<br>h Benefits | Service<br>Transfers | inistrative<br>xpenses | (  | Other | Total      |
|----------------|--------------------|----|------------------------------------|----------------------|------------------------|----|-------|------------|
| 2003           | \$<br>932,687      | \$ | 32,084                             | \$<br>2,418          | \$<br>7,011            | \$ | 367   | \$ 974,567 |
| 2002           | 858,383            |    | 35,510                             | 2,091                | 6,845                  |    | 391   | 903,220    |
| 2001           | 811,896            |    | 34,156                             | 1,207                | 6,023                  |    | 1,002 | 854,284    |
| 2000           | 720,576            |    | 33,978                             | 1,534                | 5,639                  |    | 165   | 761,892    |
| 1999           | 678,740            |    | 31,307                             | 1,800                | 6,563                  |    | 737   | 719,147    |
| 1998           | 576,463            |    | 32,636                             | 1,116                | 7,076                  |    | 547   | 617,838    |

#### EMPLOYEES' RETIREMENT SYSTEM EXPENSES BY TYPE

| Fiscal<br>Year | Benefit<br>ayments | Re | ntribution<br>efunds &<br>th Benefits | S  | Unit<br>drawals &<br>Service<br>ransfers | <br>inistrative<br>spenses | 0  | other | Total      |
|----------------|--------------------|----|---------------------------------------|----|--|----------------------------|----|-------|------------|
| 2003           | \$<br>423,027      | \$ | 25,056                                | \$ | 2,842                                    | \$<br>5,843                | \$ | 278   | \$ 457,046 |
| 2002           | 389,856            |    | 24,965                                |    | 10,410                                   | 5,582                      |    | 235   | 431,048    |
| 2001           | 371,715            |    | 24,906                                |    | 4,074                                    | 4,578                      |    | 330   | 405,603    |
| 2000           | 341,145            |    | 24,864                                |    | 1,985                                    | 3,811                      |    | 367   | 372,172    |
| 1999           | 330,231            |    | 25,291                                |    | 1,674                                    | 4,812                      |    | 333   | 362,341    |
| 1998           | 270,469            |    | 26,031                                |    | 1,757                                    | 4,855                      |    | 351   | 303,463    |

#### JUDICIAL RETIREMENT FUND EXPENSES BY TYPE

| Fiscal<br>Year | _  | Benefit<br>syments | <br>bution<br>1ds &<br>Benefits | <br>ervice<br>ansfers | <br>nistrative<br>penses | Otl | ner | <br>Total    |
|----------------|----|--------------------|---------------------------------|-----------------------|--------------------------|-----|-----|--------------|
| 2003           | \$ | 17,964             | \$<br>83                        | \$<br>103             | \$<br>322                | \$  | -   | \$<br>18,472 |
| 2002           |    | 16,770             | 29                              | -                     | 306                      |     | -   | 17,105       |
| 2001           |    | 15,655             | 79                              | 163                   | 272                      |     | -   | 16,169       |
| 2000           |    | 11,256             | 43                              | -                     | 263                      |     | -   | 11,562       |
| 1999           |    | 11,150             | 101                             | -                     | 226                      |     | -   | 11,477       |
| 1998           |    | 10,035             | 155                             | 145                   | 245                      |     | -   | 10,580       |

## Statistical Section Benefits by Type Six-Year History

(Amounts in Thousands)

#### TEACHERS' RETIREMENT SYSTEM BENEFITS BY TYPE

| Fiscal | Age & Serv | vice Benefits | Disability | Death Benefits & Refunds |             |  |  |  |
|--------|------------|---------------|------------|--------------------------|-------------|--|--|--|
| Year   | Retirants  | Survivors     | Benefits   | Death                    | Resignation |  |  |  |
| 2003   | \$ 872,992 | \$ 27,020     | \$ 32,675  | \$ 10,035                | \$ 22,049   |  |  |  |
| 2002   | 804,822    | 24,076        | 29,485     | 12,390                   | 23,120      |  |  |  |
| 2001   | 762,007    | 22,104        | 27,785     | 10,949                   | 23,207      |  |  |  |
| 2000   | 676,365    | 19,384        | 24,827     | 9,800                    | 24,178      |  |  |  |
| 1999   | 637,542    | 18,180        | 23,018     | 8,550                    | 22,757      |  |  |  |
| 1998   | 541,729    | 15,267        | 19,467     | 9,171                    | 23,465      |  |  |  |

#### EMPLOYEES' RETIREMENT SYSTEM BENEFITS BY TYPE

| Fiscal | Age & Serv | vice Benefits | Disability | Death Benefits & Refunds |             |  |  |  |
|--------|------------|---------------|------------|--------------------------|-------------|--|--|--|
| Year   | Retirants  | Survivors     | Benefits   | Death                    | Resignation |  |  |  |
| 2003   | \$ 372,512 | \$ 21,832     | \$ 28,683  | \$ 6,554                 | \$ 18,502   |  |  |  |
| 2002   | 343,265    | 20,181        | 26,410     | 5,540                    | 19,425      |  |  |  |
| 2001   | 327,214    | 19,372        | 25,129     | 5,965                    | 18,941      |  |  |  |
| 2000   | 300,541    | 17,394        | 23,210     | 5,564                    | 19,300      |  |  |  |
| 1999   | 291,548    | 16,489        | 22,194     | 6,195                    | 19,096      |  |  |  |
| 1998   | 236,328    | 14,562        | 19,579     | 5,252                    | 20,779      |  |  |  |

#### JUDICIAL RETIREMENT FUND BENEFITS BY TYPE

| Fiscal |    | Age & Serv | efits | Dis     | ability | Death Benefits & Refunds |    |       |    |         |  |  |
|--------|----|------------|-------|---------|---------|--------------------------|----|-------|----|---------|--|--|
| Year   | R  | etirants   | Su    | rvivors | Be      | nefits                   | De | Death |    | gnation |  |  |
| 2003   | \$ | 14,823     | \$    | 2,801   | \$      | 340                      | \$ | -     | \$ | 83      |  |  |
| 2002   |    | 13,655     |       | 2,746   |         | 369                      |    | -     |    | 29      |  |  |
| 2001   |    | 12,711     |       | 2,543   |         | 401                      |    | -     |    | 79      |  |  |
| 2000   |    | 9,061      |       | 1,852   |         | 343                      |    | -     |    | 43      |  |  |
| 1999   |    | 9,110      |       | 1,694   |         | 346                      |    | -     |    | 101     |  |  |
| 1998   |    | 8,194      |       | 1,509   |         | 332                      |    | -     |    | 155     |  |  |

## Statistical Section Teachers' Retirement System Retired Members by Type of Benefit as of June 30, 2003

| A    | Amount of |      |                   | Number of | Туре о | Type of Retirement <sup>1</sup> |       |         | Option Selected <sup>2</sup> |  |       |       |  |  |
|------|-----------|------|-------------------|-----------|--------|---------------------------------|-------|---------|------------------------------|--|-------|-------|--|--|
| Mo   | nth       | ly E | Benefit           | Retirants | А      | В                               | С     | Maximum | Opt-1                        | Opt-2  | Opt-3 | Opt-4 |  |  |
| \$   | 1         | -    | 250               | 1,311     | 818    | 333                             | 160   | 293     | 415                          | 274  | 329   | -     |  |  |
| 25   | 1         | -    | 500               | 7,904     | 6,208  | 687                             | 1,009 | 2,397   | 3,662                        | 910  | 926   | 9     |  |  |
| 50   | 1         | -    | 750               | 5,891     | 4,781  | 502                             | 608   | 1,800   | 2,685                        | 663  | 738   | 5     |  |  |
| 75   | 1         | -    | 1,000             | 4,663     | 3,883  | 308                             | 472   | 1,360   | 2,167                        | 530  | 604   | 2     |  |  |
| 1,00 | 1         | -    | 1,250             | 4,351     | 3,746  | 214                             | 391   | 1,211   | 2,043                        | 538  | 553   | 6     |  |  |
| 1,25 | 1         | -    | 1,500             | 5,459     | 5,005  | 157                             | 297   | 1,320   | 2,634                        | 792  | 709   | 4     |  |  |
| 1,50 | 1         | -    | 1,750             | 6,547     | 6,252  | 106                             | 189   | 1,330   | 3,614                        | 792  | 805   | 6     |  |  |
| 1,75 | 1         | -    | 2,000             | 5,669     | 5,513  | 72                              | 84    | 1,066   | 3,362                        | 555  | 682   | 4     |  |  |
| 2,00 | 1         | -    | 2,250             | 4,190     | 4,107  | 43                              | 40    | 747     | 2,489                        | 446  | 500   | 8     |  |  |
| 2,25 | 1         | -    | 2,500             | 2,741     | 2,676  | 34                              | 31    | 487     | 1,583                        | 325  | 343   | 3     |  |  |
| 2,50 | 1         | -    | 2,750             | 1,898     | 1,856  | 29                              | 13    | 333     | 1,013                        | 274  | 276   | 2     |  |  |
| 2,75 | 1         | -    | 3,000             | 1,355     | 1,325  | 25                              | 5     | 254     | 659                          | 221  | 216   | 5     |  |  |
| 3,00 | 1         | -    | 3,250             | 1,048     | 1,037  | 9                               | 2     | 163     | 551                          | 166  | 166   | 2     |  |  |
| 3,25 | 1         | -    | 3,500             | 795       | 778    | 14                              | 3     | 153     | 414                          | 114  | 111   | 3     |  |  |
| 3,50 | 1         | -    | 3,750             | 609       | 603    | 4                               | 2     | 124     | 299                          | 91   | 93    | 2     |  |  |
| 3,75 | 1         | -    | 4,000             | 445       | 439    | 6                               | -     | 60      | 228                          | 72   | 81    | 4     |  |  |
| 4,00 | 1         | -    | 4,250             | 368       | 362    | 6                               | -     | 68      | 178                          | 55   | 65    | 2     |  |  |
| 4,25 | 1         | -    | 4,500             | 253       | 249    | 4                               | -     | 36      | 127                          | 45   | 42    | 3     |  |  |
| 4,50 | 1         | -    | 4,750             | 190       | 188    | 1                               | 1     | 28      | 92                           | 27   | 43    | -     |  |  |
| 4,75 | 1         | -    | 5,000             | 123       | 119    | 2                               | 2     | 17      | 58                           | 28   | 19    | 1     |  |  |
| Ove  | r         |      | 5,000             | 457       | 450    | 6                               | 1     | 62      | 180                          | 95   | 112   | 8     |  |  |
|      |           | То   | tals <sup>3</sup> | 56,267    | 50,395 | 2,562                           | 3,310 | 13,309  | 28,453                       | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |       | 79    |  |  |

#### <sup>1</sup> Type of Retirement

A - Service

B - Survivor benefit

C - Disability

#### <sup>2</sup> Option

Maximum - Life Annuity Opt-1 - Cash Refund Opt-2 - 100% Joint Survivorship Opt-3 - 50% Joint Survivorship Opt-4 - Other <sup>3</sup> This includes 2,711 DROP participants as of June 30, 2003.

#### Statistical Section Employees' Retirement System Retired Members by Type of Benefit as of September 30, 2002

| Amount of M |     |                    | Number of | Type of | Retirem | ent 1 | Option Selected <sup>2</sup> |        |       |       |       |  |
|-------------|-----|--------------------|-----------|---------|---------|-------|------------------------------|--------|-------|-------|-------|--|
| <br>Mont    | hly | Benefit            | Retirants | А       | В       | С     | Maximum                      | Opt-1  | Opt-2 | Opt-3 | Opt-4 |  |
| \$<br>1     | -   | 250                | 904       | 308     | 567     | 29    | 148                          | 90     | 131   | 523   | 12    |  |
| 251         | -   | 500                | 4,523     | 2,844   | 1,222   | 457   | 1,148                        | 1,286  | 909   | 1,157 | 23    |  |
| 501         | -   | 750                | 4,907     | 3,539   | 547     | 821   | 1,615                        | 1,825  | 575   | 845   | 47    |  |
| 751         | -   | 1,000              | 4,065     | 3,135   | 271     | 659   | 1,257                        | 1,739  | 439   | 599   | 31    |  |
| 1,001       | -   | 1,250              | 3,545     | 3,020   | 167     | 358   | 987                          | 1,570  | 397   | 556   | 35    |  |
| 1,251       | -   | 1,500              | 2,638     | 2,379   | 98      | 161   | 644                          | 1,186  | 343   | 441   | 24    |  |
| 1,501       | -   | 1,750              | 2,080     | 1,937   | 53      | 90    | 489                          | 999    | 208   | 369   | 15    |  |
| 1,751       | -   | 2,000              | 1,537     | 1,467   | 28      | 42    | 365                          | 758    | 143   | 254   | 17    |  |
| 2,001       | -   | 2,250              | 1,110     | 1,067   | 18      | 25    | 245                          | 536    | 110   | 207   | 12    |  |
| 2,251       | -   | 2,500              | 801       | 775     | 11      | 15    | 181                          | 360    | 88    | 161   | 11    |  |
| 2,501       | -   | 2,750              | 593       | 575     | 12      | 6     | 133                          | 281    | 58    | 117   | 4     |  |
| 2,751       | -   | 3,000              | 458       | 448     | 7       | 3     | 105                          | 221    | 33    | 92    | 7     |  |
| 3,001       | -   | 3,250              | 317       | 314     | 1       | 2     | 63                           | 165    | 27    | 59    | 3     |  |
| 3,251       | -   | 3,500              | 231       | 225     | 3       | 3     | 57                           | 110    | 12    | 48    | 4     |  |
| 3,501       | -   | 3,750              | 180       | 179     | 1       | -     | 42                           | 90     | 11    | 35    | 2     |  |
| 3,751       | -   | 4,000              | 134       | 133     | 1       | -     | 27                           | 61     | 12    | 31    | 3     |  |
| 4,001       | -   | 4,250              | 108       | 108     | -       | -     | 24                           | 57     | 4     | 20    | 3     |  |
| 4,251       | -   | 4,500              | 74        | 73      | 1       | -     | 22                           | 27     | 4     | 21    | -     |  |
| 4,501       | -   | 4,750              | 57        | 57      | -       | -     | 18                           | 24     | 1     | 14    | -     |  |
| 4,751       | -   | 5,000              | 39        | 39      | -       | -     | 9                            | 14     | 3     | 10    | 3     |  |
| Over        |     | 5,000              | 114       | 113     | 1       |       | 41                           | 43     | 3     | 25    | 2     |  |
|             | T   | otals <sup>3</sup> | 28,415    | 22,735  | 3,009   | 2,671 | 7,620                        | 11,442 | 3,511 | 5,584 | 258   |  |

#### <sup>1</sup> Type of Retirement

A - Service

B - Survivor benefit

C - Disability

#### <sup>2</sup> Option

Maximum - Life Annuity Opt-1 - Cash Refund Opt-2 - 100% Joint Survivorship Opt-3 - 50% Joint Survivorship Opt-4 - Other

<sup>3</sup> Includes 342 DROP participants as of September 30, 2002. Does not include 38 members entitled to deferred benefits, but not currently in receipt.

## Statistical Section Judicial Retirement Fund Retired Members by Type of Benefit as of September 30, 2002

|           |               | 0         | Option |              |   |         |                     |  |
|-----------|---------------|-----------|--------|--------------|---|---------|---------------------|--|
| Amour     | nt of         | Number of | Туре о | f Retirement | Ť |         | Joint               |  |
| Monthly l | Benefit       | Retirants | Α      | В            | С | Maximum | <u>Survivorship</u> |  |
| \$ 1 -    | 250           | 1         | -      | 1            | - | -       | 1                   |  |
| 251 -     | 500           | 1         | -      | 1            | - | -       | 1                   |  |
| 501 -     | 750           | 9         | 1      | 8            | - | -       | 9                   |  |
| 751 -     | 1,000         | 9         | -      | 8            | 1 | 1       | 8                   |  |
| 1,001 -   | 1,250         | 6         | 1      | 5            | - | 1       | 5                   |  |
| 1,251 -   | 1,500         | 2         | -      | 2            | - | -       | 2                   |  |
| 1,501 -   | 1,750         | -         | -      | -            | - | -       | -                   |  |
| 1,751 -   | 2,000         | 4         | 1      | 2            | 1 | 1       | 3                   |  |
| 2,001 -   | 2,250         | 6         | 1      | 5            | - | 1       | 5                   |  |
| 2,251 -   | 2,500         | 5         | 1      | 3            | 1 | 2       | 3                   |  |
| 2,501 -   | 2,750         | 7         | 3      | 3            | 1 | 3       | 4                   |  |
| 2,751 -   | 3,000         | 4         | 3      | 1            | - | 3       | 1                   |  |
| 3,001 -   | 3,250         | 18        | 2      | 16           | - | -       | 18                  |  |
| 3,251 -   | 3,500         | 35        | 6      | 29           | - | 3       | 32                  |  |
| 3,501 -   | 3,750         | 11        | 8      | 1            | 2 | 2       | 9                   |  |
| 3,751 -   | 4,000         | 6         | 6      | -            | - | 1       | 5                   |  |
| 4,001 -   | 4,250         | 9         | 6      | 1            | 2 | 4       | 5                   |  |
| 4,251 -   | 4,500         | 7         | 3      | 4            | - | -       | 7                   |  |
|           | 4,750         | 3         | 1      | 2            | - | -       | 3                   |  |
| 4,751 -   | 5,000         | 4         | 3      | 1            | - | -       | 4                   |  |
| Over      | 5,000         | 122       | 121    | -            | 1 | 6       | 116                 |  |
| ]         | <b>Fotals</b> | 269       | 167    | 93           | 9 | 28      | 241                 |  |

#### † Type of Retirement

A - Service

B - Survivor benefit

C - Disability

## Statistical Section Teachers' Retirement System Six-Year History of Average Monthly Benefit Payments as of June 30

|                              | Years Credited Service |        |    |        |    |        |    |        |    |        |
|------------------------------|------------------------|--------|----|--------|----|--------|----|--------|----|--------|
|                              |                        | 10-14  |    | 15-19  |    | 20-24  |    | 25-29  | 30 | & over |
| 2003                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 535    | \$ | 798    | \$ | 1,133  | \$ | 1,905  | \$ | 2,984  |
| Average final average salary | \$                     | 27,372 | \$ | 28,531 | \$ | 31,559 | \$ | 44,478 | \$ | 56,593 |
| Number of active retirants   |                        | 569    |    | 424    |    | 437    |    | 2,420  |    | 1,464  |
| 2002                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 563    | \$ | 791    | \$ | 1,090  | \$ | 1,795  | \$ | 2,657  |
| Average final average salary | \$                     | 28,942 | \$ | 28,971 | \$ | 30,725 | \$ | 41,721 | \$ | 50,034 |
| Number of active retirants   |                        | 564    |    | 416    |    | 412    |    | 1,973  |    | 1,236  |
| 2001                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 502    | \$ | 777    | \$ | 1,092  | \$ | 1,788  | \$ | 2,819  |
| Average final average salary | \$                     | 26,015 | \$ | 27,774 | \$ | 30,013 | \$ | 40,681 | \$ | 50,689 |
| Number of active retirants   |                        | 552    |    | 386    |    | 431    |    | 1,455  |    | 843    |
| 2000                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 465    | \$ | 756    | \$ | 1,036  | \$ | 1,698  | \$ | 2,387  |
| Average final average salary | \$                     | 24,661 | \$ | 27,450 | \$ | 28,961 | \$ | 39,249 | \$ | 44,226 |
| Number of active retirants   |                        | 564    |    | 433    |    | 452    |    | 1,370  |    | 814    |
| 1999                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 484    | \$ | 726    | \$ | 980    | \$ | 1,723  | \$ | 2,528  |
| Average final average salary | \$                     | 24,412 | \$ | 24,802 | \$ | 26,105 | \$ | 38,510 | \$ | 44,668 |
| Number of active retirants   |                        | 553    |    | 381    |    | 557    |    | 1,427  |    | 805    |
| 1998                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 414    | \$ | 675    | \$ | 885    | \$ | 1,577  | \$ | 2,255  |
| Average final average salary | \$                     | 21,919 | \$ | 24,090 | \$ | 24,853 | \$ | 36,538 | \$ | 41,688 |
| Number of active retirants   |                        | 468    |    | 426    |    | 510    |    | 1,273  |    | 787    |

## Statistical Section Employees' Retirement System Six-Year History of Average Monthly Benefit Payments as of September 30

|                              | Years Credited Service |        |    |        |    |        |    |        |    |        |
|------------------------------|------------------------|--------|----|--------|----|--------|----|--------|----|--------|
|                              |                        | 10-14  |    | 15-19  |    | 20-24  |    | 25-29  | 30 | & over |
| 2002                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 1,107  | \$ | 1,023  | \$ | 1,346  | \$ | 1,665  | \$ | 2,725  |
| Average final average salary | \$                     | 33,936 | \$ | 32,913 | \$ | 36,895 | \$ | 38,739 | \$ | 51,237 |
| Number of active retirants   |                        | 511    |    | 268    |    | 224    |    | 626    |    | 311    |
| 2001                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 979    | \$ | 935    | \$ | 1,224  | \$ | 1,630  | \$ | 2,359  |
| Average final average salary | \$                     | 32,428 | \$ | 30,796 | \$ | 33,257 | \$ | 37,763 | \$ | 44,275 |
| Number of active retirants   |                        | 490    |    | 214    |    | 192    |    | 306    |    | 100    |
| 2000                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 873    | \$ | 973    | \$ | 1,343  | \$ | 1,636  | \$ | 2,399  |
| Average final average salary | \$                     | 30,434 | \$ | 30,488 | \$ | 34,121 | \$ | 37,312 | \$ | 44,483 |
| Number of active retirants   |                        | 450    |    | 241    |    | 231    |    | 525    |    | 110    |
| 1999                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 731    | \$ | 899    | \$ | 1,173  | \$ | 1,455  | \$ | 2,249  |
| Average final average salary | \$                     | 28,201 | \$ | 29,501 | \$ | 29,572 | \$ | 34,234 | \$ | 42,655 |
| Number of active retirants   |                        | 362    |    | 206    |    | 192    |    | 287    |    | 40     |
| 1998                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 799    | \$ | 814    | \$ | 1,140  | \$ | 1,447  | \$ | 2,352  |
| Average final average salary | \$                     | 28,045 | \$ | 28,400 | \$ | 30,618 | \$ | 33,502 | \$ | 42,894 |
| Number of active retirants   |                        | 626    |    | 398    |    | 417    |    | 1,114  |    | 561    |
| 1997                         |                        |        |    |        |    |        |    |        |    |        |
| Average monthly benefit      | \$                     | 659    | \$ | 866    | \$ | 1,110  | \$ | 1,404  | \$ | 2,175  |
| Average final average salary | \$                     | 26,217 | \$ | 29,096 | \$ | 29,994 | \$ | 33,224 | \$ | 41,250 |
| Number of active retirants   |                        | 381    |    | 261    |    | 217    |    | 324    |    | 105    |

## Statistical Section Judicial Retirement Fund Six-Year History of Average Monthly Benefit Payments as of September 30

|                            | Years of Credited Service |       |    |       |    |       |       |        |  |  |
|----------------------------|---------------------------|-------|----|-------|----|-------|-------|--------|--|--|
|                            | 1                         | 10-14 |    | 15-19 |    | 20-24 | 25-29 |        |  |  |
| 2002                       |                           |       |    |       |    |       |       |        |  |  |
| Average monthly benefit    | \$                        | 7,840 | \$ | 7,446 | \$ | 8,711 | \$    | 8,430  |  |  |
| Number of active retirants |                           | 1     |    | 3     |    | 1     |       | 2      |  |  |
| 2001                       |                           |       |    |       |    |       |       |        |  |  |
| Average monthly benefit    | \$                        | 6,565 | \$ | 7,751 | \$ | 7,068 | \$    | 11,877 |  |  |
| Number of active retirants |                           | 10    |    | 5     |    | 8     |       | 1      |  |  |
| 2000                       |                           |       |    |       |    |       |       |        |  |  |
| Average monthly benefit    | \$                        | 5,717 | \$ | -     | \$ | -     | \$    | -      |  |  |
| Number of active retirants |                           | 1     |    | -     |    | -     |       | -      |  |  |
| 1999                       |                           |       |    |       |    |       |       |        |  |  |
| Average monthly benefit    | \$                        | 4,144 | \$ | 5,285 | \$ | 6,127 | \$    | 7,809  |  |  |
| Number of active retirants |                           | 4     |    | 2     |    | 6     |       | 1      |  |  |
| 1998                       |                           |       |    |       |    |       |       |        |  |  |
| Average monthly benefit    | \$                        | -     | \$ | 4,894 | \$ | 4,100 | \$    | -      |  |  |
| Number of active retirants |                           | -     |    | 1     |    | 8     |       | -      |  |  |
| 1997                       |                           |       |    |       |    |       |       |        |  |  |
| Average monthly benefit    | \$                        | 7,231 | \$ | 4,282 | \$ | 5,822 | \$    | -      |  |  |
| Number of active retirants |                           | 2     |    | 4     |    | 5     |       | -      |  |  |

*Statistical Section* Employees' Retirement System Local Participating Employers

Abbeville Water Works Board Abbeville, City of Adamsville, City of Addison, Town of Alabama Elk River Development Agency Alabama Historic Ironworks Commission Alabama League of Municipalities Alabama Municipal Electric Authority Alabama Music Hall of Fame Alabama Rural Water Association Alabama Space & Rocket Center Alabama Sports Hall of Fame Board Alabama Tombigbee Regional Commission Alabaster Water & Gas Board Alabaster, City of Albertville Municipal Utilities Board Albertville, City of Alexander City, City of Aliceville Housing Authority Aliceville, City of Altoona, Town of Andalusia Housing Authority Andalusia, City of Andalusia Utilities Board Anniston Housing Authority Anniston Water Works & Sewer Board Anniston, City of Anniston/Calhoun County Public Library Anniston-Calhoun Co. Ft. McClellan Development Joint Power Authority Arab Housing Authority Arab Sewer Board Arab Water Works Board Arab, Town of Argo, Town of Arley, Town of Ashland Housing Authority Ashville Water & Gas Board Ashville, Town of Association of County Commissioners Athens, City of

Athens/Limestone County Emergency Management Communication District Athens/Limestone Public Library Authority Atmore, City of Atmore Housing Authority Atmore Utilities Board Attalla Water Works Board Attalla, City of Auburn Extension Auburn Housing Authority Auburn Water Works Board Auburn, City of Autauga County Commission Autauga County Emergency Management **Communication District** Autauga County Water Authority Autauga/Prattville Public Library B. B. Comer Memorial Library **Bakerhill Water Authority** Baldwin County Board of Revenue **Baldwin County Emergency Communication** District Baldwin County Mental Health Center Baldwin County Mental Health/Development **Disabilities Board** Baldwin County Soil & Water Conservation District **Barbour County Commission Bay Minette Housing Authority** Bay Minette, City of Bay Minette Utilities Board Bayou La Batre Water, Sewer and Gas Board Bayou La Batre, City of Bear Creek Development Authority Bear Creek, Town of Beauregard Water & Fire Protection Authority Berry, Town of Bessemer, City of **Bibb County Commissioners Court Bibb County Emergency Management Commissions District** 

## *Statistical Section* Employees' Retirement System Local Participating Employers

Bibb, Pickens & Tuscaloosa County Mental Health-Mental Retardation Board Billingsley, Town of **Birmingham Racing Commission Birmingham Regional Planning Commission** Black Warrior Solid Waste Disposal Authority **Blount County Communication District** Blount County Commissioners Court Blount Count Water Authority Blountsville Utility Board Blountsville, Town of Boaz Water & Sewer Commissioners Board Boaz, City of Boldo Water & Fire Protection Authority Branchville, Town of **Brantley Housing Authority Brent Housing Authority** Brent, City of **Brewton Housing Authority** Brewton, City of Bridgeport Utilities Board Bridgeport, City of Brilliant, Town of Brookwood, Town of Brundidge, City of Buhl-Elrod-Holman Water Authority **Bullock County Commissioners Court** Butler County Commissioners Court **Butler County Emergency Communication** District Butler, City of Cahaba Center for Mental Health & Mental Retardation Cahaba Valley Fire & Emergency Medical Rescue District Calera, City of Calhoun County 911 District Calhoun County Commission Calhoun County Water & Fire Protection Authority Calhoun/Cleburne Mental Health Board

Calhoun County Community Punishment and Corrections Authority Calhoun County Economic Development Council Camden, City of Camp Hill, City of Carbon Hill Utilities Board Carbon Hill, City of Carl Elliot Regional Library Carroll's Creek Water Authority Carrollton, Town of Cedar Bluff, Town of Center Point, City of **Center Point Fire District** Centreville, City of Central Alabama Aging Consortium Central Alabama Regional Planning & **Development Commission** Central Alabama Youth Services Central Elmore Water Authority Centre Water Works & Sewer Board Centre, City of Chambers County Commissioners Court **Chambers County Emergency Management Communications District** Chambers County Library Board Chatom, City of Cheaha Regional Library Cheaha Regional Mental Health-Mental **Retardation Board Cherokee County Commission** Cherokee County Water and Sewer Authority Cherokee Water Works & Gas Board Cherokee, Town of Chickasaw Utilities Board Chickasaw, Town of Childersburg Water, Sewer & Gas Board Childersburg, City of **Chilton County Commission** Chilton County Soil & Water Conservation District Chilton Water Authority

Chilton/Clanton Public Library Chilton/Shelby Mental Health Center Choctaw County Emergency Communications District Clanton, City of **Clanton Housing Authority** Clanton Water Works & Sewer Board **Clark County Commission** Clarke County Industrial Development Board Clarke County Soil and Water Conservation District Clarke/Mobile County Gas District **Clay County Commission** Clay County E-911 Clay County Water Authority **Clayton Housing Authority** Clayton Water & Sewer Board Clayton, City of **Cleburne County Commission** Cleveland. Town of Coffee County Commissioners Court Coffee County Soil & Water Conservation District Coffeeville, Town of Coker Water & Fire Protection Authority Colbert County Board of Revenue **Colbert County Emergency Management Communications District** Colbert County Tourism and Convention Bureau Collinsville Water Works Board Collinsville, City of Columbia, Town of Columbiana, Town of Columbiana Water Works Board **Concord Fire District** Conecuh County Board of Directors Conecuh County Soil and Water Conservation District **Cook Springs Water Authority** Coosa County Commissioners Court **Coosa Valley Youth Services** Coosada, Town of Cordova Water & Gas Board

Cordova, City of Cottonwood, City of Courtland, Town of Covington County Board of Revenue Covington County E-911 Board Cowarts, Town of Crems Etowah County Water Authority Crenshaw County Court of Commissioners Crenshaw County Emergency Management **Communications District** Creola, City of Cross Trails Regional Library Cuba, Town of Cullman Area Mental Health Authority Cullman County Board of Revenue Cullman County Center for the **Development Disabled** Cullman County E-911 Cullman County Parks & Recreation Cullman Power Board Cullman, City of Cullman/Jefferson County Gas District Cumberland Mountain Water & Fire **Protection Authority** Curry Water Authority CWM Water Authority Dadeville Housing Authority Dadeville Water Supply & Gas Board Dadeville, City of Dale County Commissioners Court Dale County Water Authority Daleville Housing Authority Daleville, City of Dallas County Court of County Revenue Daphne Utility Board Daphne, City of Dauphin Island Park and Beach Board Dauphin Island Water & Sewer Authority Dauphin Island, Town of Decatur, City of **Decatur** Utilities

*Statistical Section* Employees' Retirement System Local Participating Employers

DeKalb County Commission DeKalb County Economic Development Authority DeKalb County Emergency Communications District DeKalb County Hospital Association DeKalb County Mental Retardation Board DeKalb County Soil and Water Conservation District DeKalb/Cherokee County Gas District Demopolis Housing Authority Demopolis, City of Demopolis Water Works and Sewer Board Dora Gas Board Dora. City of Dothan/Houston County Mental Retardation Board **Double Springs Water Works Board** Double Springs, Town of Douglas Water & Fire Protection Authority Douglas, Town of Dutton. Town of East Alabama Mental Health-Mental Retardation Board East Alabama Regional Planning & Development Commission East Alabama Water, Sewer, & Fire Protection District East Brewton Water Works & Sewer Board East Brewton, City of East Central Alabama Gas District East Lauderdale County Water & Fire Protection Authority Eclectic Water Works & Sewer Board Eclectic. Town of Elba General Hospital & Nursing Home Elba Water & Electric Board Elba, City of Elberta, City of Elmore County Commissioners Court Elmore County Emergency Communications District Elmore Water Authority

Enterprise, City of Enterprise Housing Authority Enterprise Water Works Board Ernest F. Ladd Memorial Stadium **Escambia County Commission** Escambia County Cooperative Library System Etowah County Board of Revenue **Etowah County Communications District** Etowah County Community Punishment and Corrections Etowah Solid Waste Disposal Authority Eufaula Housing Authority Eufaula Water Works & Sewer Board Eufaula, City of Eutaw Medical Clinic Board Eutaw, City of **Evergreen Housing Authority** Evergreen, City of Excel, Town of Fairfield, City of Fairhope Public Library Fairhope, City of Falkville, Town of **Fayette County Commission** Fayette County E911 District Fayette Gas Board Fayette Housing Authority Fayette Water Works Board Fayette County Water Coordination & Fire Protection Authority Fayette, City of Fayetteville Water Authority Flomaton, Town of Florence Housing Authority Florence/Lauderdale Tourism Board Foley Utilities Board Foley, City of Forestdale Fire District Fort Deposit Water Works & Sewer Board Fort Deposit, Town of

Fort Payne Housing Authority Fort Payne Improvement Authority Fort Payne Water Works Board Fort Payne, City of Fosters-Ralph Water Authority Franklin County Commission Franklin County Soil and Water Conservation Franklin County Water Service Authority Fultondale, Town of Fyffe, Town of Gadsden Water & Sewer Board Gadsden, City of Garden City, Town of Gardendale, City of Geneva County Court of Commissioners Geneva County E-911 Board, Inc. Geneva Water Works & Sewer Board Geneva, City of Gilberttown Utilities Board Gilberttown, Town of Glencoe, City of Goodwater, City of Gordo, City of Grant Water Works Board Grant, Town of Graysville Public Library Graysville, City of Greater Etowah Mental Retardation 310 Board Greater Mobile/Washington County Mental Health-Mental Retardation Board Greene County Ambulance Service Greene County Commission Greene County Economic & Industrial Development Board Greene County Hospital Greene County Housing Authority Greene County Racing Commission Greenhill Water & Fire Protection Authority Greensboro Housing Authority Greensboro, City of Greenville Water Works & Sewer Board

Greenville, City of Grove Hill, City of Guin, City of Guin Housing Authority Guin Water & Sewer Board Guntersville Electric Board Guntersville Water & Sewer Board Guntersville, City of Gurley, Town of Hackleburg, Town of Hackleburg Water Board Hackneyville Water & Fire Protection Authority Hale County Commission Hale County Soil and Water Conservation District Hale County Emergency Medical Service Haleyville, City of Hamilton, City of Hamilton Housing Authority Hanceville, City of Hanceville Waterworks & Sewer Board Harpersville, Town of Hartford, City of Hartford Housing Authority Hartselle Utilities Board Hartselle, City of Harvest-Monrovia Water & Fire Protection Authority Hayneville, City of Headland Housing Authority Headland, City of Heflin, City of Heflin Water Works & Sewer Board Helen Keller Memorial Hospital Helena Utilities Board Helena, City of Henry County Commissioners Court Henry County Soil & Water Conservation District Henry County Water Authority

*Statistical Section* Employees' Retirement System Local Participating Employers

Highland Water Authority Hillsboro, Town of Historic Blakeley Authority Historic Chattahoochee Commission Hodges, Town of Hokes Bluff Sewer Board Hokes Bluff Water Works Board Hokes Bluff. Town of Holly Pond, Town of Hollywood, Town of Homewood, City of Hoover, City of Horseshoe Bend Regional Library Houston County Board of Revenue and Control Houston County Soil Conservation District Houston County Water Authority Houston/Love Memorial Library Hueytown, City of Huntsville Electric System Huntsville Gas System Huntsville Solid Waste Disposal Authority Huntsville Water System Huntsville, City of Huntsville/Madison County Airport Authority Huntsville/Madison County Convention & Visitor's Bureau Huntsville/Madison County Marina & Port Authority Huntsville/Madison County Mental Health Board Huntsville/Madison County Railroad Authority Indian Pines Recreation Authority Industrial Development Authority of Chambers County International Motorsports Hall of Fame Irondale, City of Jackson County Commission Jackson County Economic Development Authority Jackson County Emergency Management **Communications District** 

Jackson County Soil & Water Conservation District Jackson, City of Jackson County Water Authority Jackson's Gap Water Authority Jackson's Gap, Town of Jacksonville Housing Authority Jacksonville Water Works, Gas & Sewer Jacksonville, City of Jasper Water Works & Sewer Board Jasper, City of Jefferson County Department of Health Jefferson/Blount/St. Clair Mental Health Authority Jemison, Town of John Paul Jones Hospital Killen, City of Kinsey, Town of Lafayette, City of Lamar County Commission Lamar County Gas District Lamar County Water & Fire Protection Authority Lanett, City of Lauderdale County Commission Lauderdale County Community Corrections & Punishment Authority Lauderdale County Regional Library System Lawrence County Commission Lawrence/Colbert County Gas District Lawrence/Cullman/Morgan Regional Housing Authority Lee County Commissioners Court Lee County Emergency Communications District Lee/Russell Council of Governments Leeds Housing Authority Leeds, City of Leeds Water Works Board Leesburg, Town of Lexington, Town of Limestone County Board of Revenue

Limestone County Water Authority Lincoln, City of Linden, City of Lineville Housing Authority Lineville Water & Sewer Board Lineville, City of Livingston Housing Authority Livingston, City of Loachapoka Water Authority Locust Fork, Town of Lowndes County Board of Revenue Loxley, City of Luverne Housing Authority Luverne, City of Macon County Commission Macon County Racing Commission Madison County Commissioners Court Madison County Communications District Madison County Mental Retardation Board Madison Water & Wastewater Board Madison, City of Malvern, Town of Maplesville Water & Gas Board Maplesville, City of Marengo County Commission Marengo County Emergency **Communications District** Marengo County Nursing Home Marion County Board of Revenue Marion County Public Water Authority Marion Housing Authority Marion, City of Marshall County Commission on Government and Finance Marshall County Emergency Telephone Service Board Marshall County Gas District Marshall County Soil & Water Conservation District Marshall-Jackson Mental Retardation Authority Mental Health Dev Disabilities Board

Middle Alabama Area Agency on Aging Midfield Library Board Midfield, City of Mildred B. Harrison Library Millbrook, City of Millport Housing Authority Millport, Town of Mobile Airport Authority Mobile County Commission Mobile County Communications District Mobile County Emergency Management Agency Mobile County Health Department Mobile County Housing Authority Mobile County Law Enforcement & Firefighters Pension Fund Mobile County Personnel Board Mobile County Racing Commission Mobile County Water, Sewer & Fire Protection Authority Mobile Public Library Mobile Transit Authority Mobile Water Service System Mobile, City of Monroe County Commission Monroeville Housing Authority Monroeville Water Board Monroeville, City of Montevallo, City of Montgomery Area Mental Health Authority Montgomery County Soil & Water **Conservation District** Moody, City of Morgan County Commission Morgan County Emergency Management **Communication District** Morgan County Soil & Water Conservation District Moulton Housing Authority Moulton, City of Moundville, City of Mount High-Rock Springs Water Authority Mountain Brook Library Board

## Statistical Section Employees' Retirement System Local Participating Employers

Mountain Brook Park & Recreation Board Mountain Brook, City of Mt. Vernon, Town of Munford, Town of Muscle Shoals Electric Board Muscle Shoals Utilities Board Muscle Shoals, City of Myrtlewood, Town of Nectar, Town of New Hope, Town of New London Water, Sewer & Fire **Protection Authority** New Site, Town of North Alabama Gas District North Central Alabama Mental Health Center North Central Alabama Mental Retardation Authority North Central Alabama Regional Council of Governments North Dallas County Water Authority North Jackson County Water & Fire **Protection Authority** North Shelby County Library Northeast Alabama Mental Retardation-**Development Disability Authority** Northeast Alabama Water, Sewer & Fire **Protection District** Northeast Morgan County Water Authority Northport Housing Authority Northport, City of Northwest Alabama Council of Local Governments Northwest Alabama Mental Health Center Northwest Alabama Regional Airport Northwest Blount County Water & Fire **Protection Authority** Northwest Regional Library Notasulga, Town of Oak Grove, Town of Oakman Waterworks Oakman, Town of Odenville Utilities Board

Odenville, Town of Ohatchee, Town of **Oneonta Utilities** Oneonta, City of **Opelika Housing Authority** Opelika Utilities Board Opelika, City of **Opp** Utilities Board Opp, City of Orange Beach Water, Sewer & Fire Protection Authority Orange Beach, Town of Oxford, City of **Ozark Utilities Board** Ozark, City of Ozark/Dale E-911 Pelham, City of Pell City Housing Authority Pell City, City of Pennington, City of Pennington Utilities Board Perry County Commissioners Court Phenix City Utilities Phenix City, City of Phil Campbell Water Works Board Phil Campbell, Town of Pickens County Commission Pickens County Cooperative Library Pickens County E-911 Board Pickens County Water Authority Piedmont Housing Authority Piedmont Water, Gas & Sewer Board Piedmont, City of Pike County Commissioners Court Pike County Communications District Pike County Soil & Water Conservation District Pike County Water Authority Pine Bluff Water Authority Pine Hill, Town of Pine Level Water & Fire Protection

Authority Pisgah, Town of Pleasant Grove, City of Prattville Housing Authority Prattville Water Works Board Prattville, City of Priceville, Town of Prichard Housing Authority Ouint-Mar Water & Fire Protection Authority Ragland, Town of Ragland Water Works Board Rainbow City Gas, Water & Sewer Board Rainbow City, City of Rainsville, City of Randolph County Commissioners Court Red Bay Housing Authority Red Bay Water & Gas Board Red Bay, City of Red Level, Town of **Reform Housing Authority** Reform, City of Rehobeth, City of Remlap/Pine Mountain Water Authority **Riverbend Center for Mental Health** Riverside, Town of Roanoke Utilities Board Roanoke, City of Robertsdale, City of **Rocky Ridge Fire District** Rogersville Water Works & Sewer Board Rogersville, Town of Russell County Commissioners Court **Russell County Emergency Communications** District Russell County Soil & Water Conservation District **Russell County Utilities Board** Russellville Electric Board Russellville Gas Board **Russellville Water Works Board** 

Russellville, City of Rutledge, Town of Sand Mountain Water Authority Sand Springs Water Authority Saraland Water Service Saraland, City of Sardis City Water Board Sardis City, City of Satsuma Water Works Board Satsuma, City of Scottsboro Electric Power Board Scottsboro Public Library Scottsboro Public Park & Recreation Board Scottsboro Water Works, Sewer & Gas Board Scottsboro, City of Section Water Works Board Selma Housing Authority Selma Water Works & Sewer Board Selma, City of Sheffield Power, Water & Gas Department Sheffield, City of Shelby County Board of Revenue Shelby County Soil Conservation District Shelby County Work Release Commission Shoals Committee on Programs & Employment for the Mentally Retarded Shoals Economic Development Authority Shoals Solid Waste Disposal Authority Shorter, Town of Silas, Town of Silverhill, Town of Sipsey, Town of Slocumb, Town of Slocumb Waterworks and Sewer Board Snead, Town of Somerville, Town of South Alabama Regional Planning Commission South Central Alabama Development Authority South Central Mental Health Center South Crenshaw County Water Authority

## *Statistical Section* Employees' Retirement System Local Participating Employers

Southeast Alabama Regional Planning & **Development Commission** Southeast Alabama Solid Waste Disposal Authority Southern Alabama Regional Council on Aging Southside Water & Sewer Board Southside, City of Southwest Alabama Water Authority Spanish Fort, City of Spectracare Springville, Town of St. Clair County Commissioners Court St. Clair County Industrial Development Board St. Clair County Library St. Clair County Soil & Water Conservation District St. Florian. Town of Star-Mindingall Water & Fire Prot Auth Steele, Town of **Stevenson Housing Authority** Stevenson Utilities Board Stevenson, City of Stewartville Water Authority Sulligent, City of Sulligent Housing Authority Sumiton Water Works Board Sumiton, City of Summerdale, Town of Sumter County Board of Commissioners Sumter County Industrial Development Authority Sumter County Soil & Water Cons District Sumter County Water Authority Sylacauga Parks & Recreation Board Sylacauga Utilities Board Sylacauga, City of Talladega County Board of Revenue Talladega County Emergency Management **Communications District** Talladega County Soil & Water Conservation District

Talladega Water & Sewer Board Talladega, City of Tallapoosa County Court of Commissioners Tallapoosa County Emergency Management **Communications District** Tallassee, City of Tarrant City Electric System Tarrant City, City of Tarrant Housing Authority Taylor, Town of Tennessee Valley Exhibit Commission Thomaston, Town of Thomasville, City of Thorsby, Town of Top of Alabama Regional Council of Governments Town Creek. Town of Triana, City of Tri-County Mental Retardation-Development **Disability Board** Trinity, Town of Troy, City of Trussville Utilities Board Trussville, City of Turnerville Water and Fire Protection District Tuscaloosa, City of Tuscaloosa County Board of Revenue Tuscaloosa County Industrial Dev Auth **Tuscaloosa County Park and Recreation** Board Tuscaloosa County Parking & Transit Authority Tuscaloosa County Public Defenders Office Tuscaloosa County Soil & Water **Conservation District** Tuscaloosa County Special Tax Board Tuscaloosa Public Library Tuscumbia, City of Tuskegee, City of **Tuskegee** Utilities Union Grove Utilities Board Union Springs Utilities Board

Union Springs, City of Uniontown Housing Authority Uniontown Utilities Board Uniontown, City of USS Alabama Battleship Commission Valley Head, Town of Valley Head Water Works Board Valley Housing Authority Valley Water Authority Valley, City of Vance, Town of Vernon Housing Authority Vernon, City of Vestavia Hills, City of Vincent, City of Von Braun Civic Center Walker County Commission Walker County E911 District Walker County Housing Authority Walker County Mental Retardation Board Walker County Soil & Water Conservation District Wall Street Water Authority Walnut Hill Water Authority Warrior River Water & Fire Protection Authority Warrior, City of Washington County Commissioners Court Washington County Soil & Water Conservation District Weaver, City of Webb, Town of Wedowee, City of West Alabama Planning & Development Commission West Etowah County Water Authority West Jefferson, Town of West Lauderdale County Water & Fire Protection Authority West Morgan/East Lawrence Water Authority Westover Water & Fire Protection Authority Wetumpka, City of

Wetumpka Water & Sewer Board Wilcox County Commission Wilcox County Gas District Wilsonville, Town of Winfield Water Works Board Winfield, City of Winston County Commission Winston County E-911 Communications District Winston County Soil and Water Conservation District Woodstock, Town of York Housing Authority York, City of

