# CORRECTIONS OFFICER RETIREMENT PLAN 

A PENSION TRUST FUND OF THE STATE OF ARIZONA

JUNE 30, 2002

This report was prepared by the staff of the PSPRS 1020 East Missouri Avenue

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# STATE OF ARIZONA <br> CORRECTIONS OFFICER RETIREMENT PLAN SIXTEENTH COMPREHENSIVE ANNUAL FINANCIAL REPORT <br> <br> CONTENTS 

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# INTRODUCTORY SECTION 

CORRECTIONS OFFICER RETIREMENT PLAN SIXTEENTH COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR THE FISCAL YEAR ENDED<br>JUNE 30, 2002

Fund Managers' Report<br>Letter of Transmittal<br>Certificate of Achievement for Excellence in Financial Reporting<br>The Retirement Board and Administrative Organization<br>Organizational Chart<br>Summary of Plan Provisions (See Note 1 in Notes to Financial Statements)

# PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM CORRECTIONS OFFICER RETIREMENT PLAN <br> ELECTED OFFICIALS' RETIREMENT PLAN 

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Administrator

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James A. Nielsen, C.P.A., J.D.
Assistant Administrator

September 13, 2002

The Honorable Jane Dee Hull Governor of the State of Arizona State Capitol
Phoenix, Arizona 85007

## Dear Governor Hull:

The Fund Manager of the Public Safety Personnel Retirement System respectfully submits the Sixteenth Comprehensive Annual Financial Report of the Corrections Officer Retirement Plan for the fiscal year ended June 30, 2002. We are pleased to report that despite the volatile stock market, the Plan is still in excellent financial and actuarial condition.

The Plan has continued to improve its funding level-even while dramatically improving benefits-including the change to a straight 20-year retirement plan, the addition of a substantial health insurance subsidy and the increase in the accrual rate from $2 \%$ of pay per year of credited service to $2.5 \%$. In fact, in just the past fifteen years, the Plan funding has improved from $69 \%$ to $123.8 \%$. This is one of the best funded plans in the country. Set forth below are some of the highlights for the fiscal year ended June 30, 2002.

Benefits paid to retired corrections officers and their beneficiaries for the fiscal year totaled $\$ 17,576,451$ compared to $\$ 13,433,499$ for the prior year. The average employer contribution rate as a percentage of gross payroll decreased from a high of $6.97 \%$ to $1.15 \%$ for the current fiscal year.

For the current year, the Plan had a total rate of return of $-14.7 \%$. However, the Plan continues to perform well against the market indexes (S\&P 500/NYSE stock and Shearson Lehman Government/Corporate bond) on a longterm basis. The 5-year and 10-year total rates of return, which includes realized as well as unrealized gains and losses, for the entire fund were $2.76 \%$ and $7.45 \%$, respectively. The 5-year rate of return for the stock portfolio and bond portfolios were $0.26 \%$ and $7.06 \%$, respectively. The 10-year rate of return for the stock portfolio and bond portfolios were $7.94 \%$ and $7.34 \%$, respectively. The net effective yield, which takes into account only realized gains and losses, was $1.84 \%$.

Total administrative and investment expenses increased from \$417,408 last year to \$463,464 this year. Costs have increased only $110 \%$ during the past fifteen years. This increase is incredibly low since the assets managed have increased $756 \%$ and the Plan membership has increased $106 \%$ during this period.

We sincerely appreciate the opportunity of serving the State and County Corrections Officers.
Respectfully submitted,
DON DE MENT/sig.

PAT CANTELME/sig.
RON SNODGRASS/sig.
Pat Cantelme, Member
BETSEY BAYLESS/sig.

Ron Snodgrass, Member
WENDY HANCOCK/sig.
Wendy Hancock, Member

# PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM CORRECTIONS OFFICER RETIREMENT PLAN ELECTED OFFICIALS' RETIREMENT PLAN 

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Assistant Administrator
FAX: (602) 255-5572
September 13, 2002
The Fund Manager
Public Safety Personnel Retirement System
State of Arizona
Phoenix, Arizona
Gentlemen:
There is presented, herewith, the Sixteenth Comprehensive Annual Financial Report of the operations and financial conditions of the Corrections Officer Retirement Plan, State of Arizona, for the fiscal year ended June 30, 2002. Incorporated in this report are the audited financial statements and other financial data from the June 30, 2002, report of Barrows \& Schatza, P.L.C., Certified Public Accountants and auditors for the Plan. Also included are the Actuarial Certification Statement and the Actuarial Balance Sheet from the June 30, 2002, Actuarial Valuation prepared by the Plan's actuary, Rodwan \& Nichols, Consulting Actuaries.

This report has been organized into five sections: (1) the Introductory Section containing general information regarding the operations of the Corrections Officer Retirement Plan; (2) the Financial Section containing the new Management's Discussion and Analysis and, the financial reports and schedules of the funds administered by the Corrections Officer Retirement Plan; (3) the Investment Section containing detailed lists of the investment transactions and portfolios of the Plan, along with investment performance; (4) the Actuarial Section containing actuarial information regarding the funding of the pension trusts; and, (5) the Statistical Section containing statistical data pertaining to the benefits paid by the Corrections Officer Retirement Plan and growth of the Plan.

## TRANSFER OF ASSETS

House Bill 2310 was passed by the 37 th Legislature during the second regular session of 1986 . This bill created the Corrections Officer Retirement Plan, provided for the transfer of assets into the new Plan, made the Fund Manager of the Public Safety Personnel Retirement System responsible for the investment and administration of the Plan and made all of its provisions effective July 1, 1986. The bill required the transfer of member account balances plus the matching employer account balance from the Arizona State Retirement System for all new members of the Plan. The bill did not require the transfer of unallocated investment earnings or employer contributions made on behalf of terminated employees and still on deposit in the Arizona State Retirement System. This caused the Plan to start at a distinct disadvantage (only 69\% funded), but through prudent investment over several years, this problem has been overcome (we are now $123.8 \%$ funded).

## FINANCIAL INFORMATION

The primary responsibility for the integrity and objectivity of the financial statements and related financial data rests with the management of the Plan. The financial statements were prepared in conformity with generally accepted accounting principles appropriate for government-sponsored defined benefit pension plans. Management believes that all other financial information included in this annual report is consistent with those financial statements.

It is the Plan's policy to maintain a control-conscious environment through an effective system of accounting controls. These controls are adequate to provide reasonable assurance that assets are safeguarded against loss or unauthorized use and to produce the records necessary for the preparation of financial information. There are limits inherent in all systems of internal control based on the recognition that the costs of such plans should be related to the benefits to be derived. Management believes the Plan's controls provide this appropriate balance.

The Plan uses the accrual basis of accounting for both revenues and expenses. Contributions to the Plan are based on principles of level-cost financing with current service financed as a level percent of payroll on a current
basis and prior service amortized as a level percent of payroll over a rolling twenty (20) year period.

## REVENUES

Revenues to the Plan are derived from three sources: member contributions, employer contributions, and investment income. As shown by the Schedule of Revenues by Source included in the Statistical Section later in this report, the Plan suffered an investment loss this fiscal year that was offset by member contributions, and employer contributions. Please refer to the Statistical Section for a ten-year history of revenues and expenses.

## ADMINISTRATIVE AND INVESTMENT EXPENSES

The 2002/2001 Administrative and Investment Expenses of the Administrative Office totaled \$463,464 compared to $\$ 417,408$ for the prior year. Costs have risen $110 \%$ during the past fifteen years, which is a compounded annual rate of increase of $5.45 \%$. This rate of increase is well below the rate of growth of the Plan. A dedicated staff and constantly improving internal expertise has allowed management to keep costs minus inflation very low for the past fifteen years even though membership and assets managed have increased substantially during this same period (over 105\% and over $756 \%$, respectively).

## INVESTMENTS

Since the Plan is well funded, management takes a moderately conservative approach to investing. The Plan invests primarily in bonds rated A or better and blue chip common stock. A detailed summary of the investment portfolio and all investment transactions is presented in the Investment Section. At year-end, the investment portfolio was made up of $14.37 \%$ U. S. Government Securities, $17.75 \%$ Corporate Bonds, $5.06 \%$ Corporate Notes, 3.92\% Other Investments, $0.27 \%$ insured Money Market Funds and 58.63\% Common Stocks. All investments are held in trust by the Arizona subsidiary of one of the largest banks in the world.

Even with this relatively conservative investment philosophy, the fixed income portfolio has outperformed the Lehman Government/Corporate Bond Index in nine of the last fifteen years and the equity portfolio has outperformed the applicable Index (NYSE until 98/99, S\&P 500 thereafter) in nine of the past fifteen years. The Plan's performance resulted in a net effective yield of $1.84 \%$ and a 10 -year total rate of return of $7.45 \%$. Graphs depicting the fund's extraordinary performance since 1986, the year internal staff took over the portfolio management, can be found in the Investment Section.

## ECONOMIC OUTLOOK

The economy appears to be bottoming out. It is likely the economy will continue to improve this fall and into early 2003. With interest rates so low, it may be difficult to continue to outperform the Plan's $9 \%$ assumed rate of investment return over the next couple of years.

## ACTUARIAL AND FUNDING INFORMATION

Funding a retirement plan on a sound actuarial reserve basis involves the accumulation of substantial reserves to guarantee the payment of promised benefits. These reserves are invested and the rate of investment earnings, over time, is a major factor in determining the employer contribution requirement to meet the calculated level cost of the Plan.

There is no single all-encompassing test to measure a retirement plan's funding progress and current status. A traditional measure is the ratio of assets to unfunded accumulated normal costs, often referred to as the "percent funded." The percent funded for the Plan at June 30, 2002, is $123.8 \%$, which is well ahead of schedule. All twelve participating units have fully-funded actuarial accrued liabilities.

The Plan is funded through a member contribution of $8.50 \%$ of gross payroll, an employer contribution set by an actuarial valuation expressed as a percent of gross payroll and a distribution of the net earnings of the Plan. While each employer has a different contribution rate, the average for the entire Plan for the 2002/2003 fiscal year would be $1.71 \%$ of gross payroll, however employer contributions cannot fall below $2 \%$ as a result of 2000 legislation. Of the 12 groups that make up the Plan, all twelve employers will pay less than the $8.50 \%$ that the employees pay.

## POST RETIREMENT BENEFIT INCREASES

State law provides for an annual benefit increase for retirees or their survivors either two years after retirement, regardless of age, or when the retiree or survivor attains age 55 and has been retired for a year. These
increases are dependent upon the production of excess earnings on a portion of the Plan's assets and are limited to four percent of the average benefit being paid.

Below is a schedule of the increase in monthly benefits granted since this program began:
July 1, 1993-\$ 5.00
July 1, 1996-\$10.00
July 1, 1997-\$15.00
July 1, 1998-\$25.00
July 1, 1999-\$32.41
July 1, 2000 - \$38.96
July 1, 2001-\$39.79
Cumulative total - \$166.16
July 1, 2002-4.0\%
July 1, 2003-4.0\%
Effective July 1, 2002, benefit increases are limited to a maximum of $4 \%$ of the benefit being received on the preceding June 30 and contingent upon sufficient excess investment earnings for the fund. A benefit increase schedule showing how these amounts were calculated can be found in the Statistical Section.

## CERTIFICATE OF ACHIEVEMENT

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the CORP for its comprehensive annual financial report for the fiscal year ended June 30, 2001. This was the eighth consecutive year that the Plan has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report. This report 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 comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

## SUMMARY

The Plan's actuary, Rodwan \& Nichols, summarized the results of the latest Actuarial Valuation as of June 30, 2002, as follows:

The results of the actuarial valuations of the Arizona Corrections Officer RetirementPlan indicate that benefit obligations are being funded as incurred. Valuation assets are $123.8 \%$ of actuarial accrued liability. This excellent level of accrued funding is primarily attributable to favorable investment returns.

The Plan has made excellent progress during the past sixteen years. Funding has increased from $69 \%$ to $123.8 \%$. Investment and administrative expenses increased only $110 \%$ during the past sixteen years while total assets and membership were up $756 \%$ and $105 \%$ respectively. Employer contribution rates have dropped to less than $2 \%$ on average. All this was accomplished even while improving benefits to members. The service multiplier has been increased from $2 \%$ to $2.5 \%$; members can now retire after 20 years of credited service at any age or if the sum of their age and years of credited service equals 80; survivor and disability benefits have been improved and a substantial health insurance subsidy has been added.

I am proud to have been part of the Plan's management team and I look forward to the Plan's continued success in the future.

Respectfully submitted,


Jack M. Cross, C.P.A., CFA
Administrator

# Certificate of Achievement for Excellence in Financial Reporting 

Presented to

# Corrections Officer Retirement Plan, Arizona 

For its Comprehensive Annual
Financial Report for the Fiscal Year Ended

June 30, 2001
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 (CARs) achieve the highest standards in government accounting and financial reporting.


# STATE OF ARIZONA <br> ELECTED OFFICIAL'S RETIREMENT PLAN THE RETIREMENT BOARD AND ADMINISTRATIVE ORGANIZATION 

THE FUND MANAGER
Don De Ment
Retired City Clerk
City of Tucson
Pat Cantelme
Retired Firefighter
City of Phoenix
Ron Snodgrass
Police Officer
City of Phoenix
Betsey Bayless
Secretary of State
State of Arizona
Wendy Hancock
Public Member
Chairman

Member

Member

Member

Member

Term Expires
January 2003

January 2005

January 2004

January 2003

January 2005

## PROFESSIONAL ADVISORS

Standard \& Poor's Securities, Inc.
Rodwan \& Nichols
Barrows \& Schatza, P.L.C.
Lieberman, Dodge, Gerding, Kothe \& Anderson, Ltd.

Jack M. Cross, CPA, CFA
James A. Nielsen, CPA, JD
Tracey D. Peterson, CPA, CFE
Jared A. Smout
Karen L. Lewis, CPA
Donald B. Mineer
Alliene Jonas
Annette L. Jorgensen
D. Steven Williams

Deborah S. Irwin
Eric T. Ellsworth
Joann L. Lowey
Kathleen A. Mattoon
LaDawn M. Snodgrass
Lilian L. Leung
Lori A. Boyle
Scott D. Willard
Sheryl D. Saltsman
Tiffani M. Wright

## ADMINISTRATIVE STAFF

Investment Counsel
Consulting Actuaries
Auditors
Legal Counsel
Administrator
Assistant Administrator
Operations Director
Finance Director
Controller
MIS Manager
CFE
Benefits/Insurance Specialist
Insurance Specialist
Legal Assistant
Senior Active Member Specialist
Building Maintenance
Senior Benefits Analyst
Office Specialist
Active Member Supervisor
Senior Accounting Specialist
Office Manager
MIS/Accounting Specialist
Benefits Supervisor
Active Member Specialist

Assistant Administrator
Operations Director
Finance Director
Controller
MIS Manager
Benefits/Insurance Specialist
Insurance Specialist
Legal Assistant
Building Maintenance Senior Benefits Analyst

Office Specialist
Active Member Supervisor
Senior Accounting Specialist
Office Manager
MIS/Accounting Specialist
Benefits Supervisor
Active Member Specialist

[^0]STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
ORGANIZATION CHART
JUNE 30, 2002


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FINANCIAL SECTION

## CORRECTIONS OFFICER RETIREMENT PLAN

 SIXTEENTH COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR THE FISCAL YEAR ENDEDJUNE 30, 2002

Independent Auditor's Report Management's Discussion and Analysis

Statements of Plan Net Assets Statements of Changes in Plan Net Assets

Notes to Financial Statements
Schedule of Funding Progress Schedule of Employer Contributions

Supporting Schedule of Changes
In Fund Balance Reserves
Supporting Schedule of
Administrative and Investment Expenses
Supporting Schedule of Payments to Consultants
Supplemental Schedule of Cash Receipts and Cash Disbursements

Schedule of Changes in Employers' Reserve - Year Ended June 30, 2002, and Unfunded Accrued Normal Costs at June 30, 2001

Schedule of Changes in Refundable Member Reserves
Fiscal Year Ended June 30, 2002
Earnings Distribution, Fiscal Year Ended June 30, 2002

Phoenix, Arizona

## INDEPENDENT AUDITOR'S REPORT

## FUND MANAGER <br> STATE OF ARIZONA PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM PHOENIX, ARIZONA

We have audited the accompanying statements of plan net assets of the STATE OF ARIZONA CORRECTIONS OFFICER RETIREMENT PLAN as of June 30, 2002 and 2001, and the related statements of changes in plan net assets for the years then ended, appearing on pages 17 and 18, respectively. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. 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 audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial status of STATE OF ARIZONA CORRECTIONS OFFICER RETIREMENT PLAN as of June 30, 2002 and 2001, and the results of its operations and the changes in fund balances for the years then ended in conformity with generally accepted accounting principles.

As discussed in Note 2 to the financial statements, the STATE OF ARIZONA CORRECTIONS OFFICER RETIREMENT PLAN adopted the provisions of the Governmental Accounting Standards Board Statements No. 34, Basis Financial Statements and Management's Discussion and Analysis for State and Local Governments, No. 37, Basic Financial Statements and Management's Discussion and Analysis for State and Local Governments-Omnibus, and No. 38, Certain Financial Statement Note Disclosures for fiscal year ended June 30, 2002.

Our audit was made for the purpose of forming an opinion on the financial statements taken as a whole. The accompanying supplementary information, Management's Discussion and Analysis, Schedule of Funding Progress and Schedule of Employer Contributions, are required by the Governmental Accounting Standards Board and are not a required part of the basic financial statements. Also, the accompanying additional information, contained on pages 28 to 33, are not required disclosures under Governmental Accounting Standards Board (GASB) statement No. 25 and are not a required part of the basic financial statements. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary and additional information. However, we did not audit this information and express no opinion on it.

BARROWS \& SCHATZA, P.L.C./sig
September 6, 2002

# STATE OF ARIZONA <br> CORRECTIONS OFFICER RETIREMENT PLAN <br> MANAGEMENT'S DISCUSSION AND ANALYSIS 

## JUNE 30, 2002 AND 2001

The Corrections Officer Retirement Plan's discussion and analysis is designed to assist the reader in focusing on significant financial issues, provide an overview of the Plan's financial activity, identify changes in the Plan's financial position and identify any issues or concerns.

Since the Management's Discussion and Analysis (MD\&A) is designed to focus on the current year's activities, resulting changes and currently known facts, it is intended to be read in conjunction with the Transmittal Letter, Financial Statements and Notes to the Financial Statements.

## Financial Highlights

Key financial highlights for 2002 are as follows:

- As of the close of the fiscal year 2002, the Future Benefit Increase Reserve was $\$ 34,452,064$. This will enable another $4 \%$ increase for qualifying retirees or their survivors for the eighth consecutive year.
- Retirement benefits paid totaled $\$ 17,576,451$ for the current fiscal year, compared to $\$ 13,433,499$ for the previous year. This represents a $31 \%$ increase from the prior year. The majority of this increase is the result of increased health insurance benefits and cost of living adjustments (COLAs) paid to the retirees or their survivors of the Plan.


## Using this Comprehensive Annual Financial Report (CAFR)

This annual report consists of a series of financial statements and notes to those financial statements. These statements are organized so the reader can understand the Plan as an operating entity. The statements and notes then proceed to provide an increasingly detailed look at specific financial activities.

## The Statement of Net Assets and The Statement of Changes in Net Assets

These statements include all assets and liabilities of the Plan using the accrual basis of accounting, which is similar to the accounting used by most private-sector companies.

These two statements report the Plan's net assets and changes in them. Net assets are the difference between assets and liabilities, one way to measure the financial health, or financial position. Over time, increases or decreases in the net assets are one indicator of the financial health of the Plan.

## Notes to the Financial Statements

The notes provide additional information that is essential to a full understanding of the data provided in the financial statements. The notes can be found immediately following The Statement of Net Assets and The Statement of Changes in Net Assets.

## Required Supplemental Information

The basic financial statements are followed by a section of required supplemental information. This section includes the Schedule of Funding Progress and the Schedule of Employer Contributions.

The Schedule of Funding Progress shows the ratio of assets as a percentage of the actuarial accrued liability (funding ratio) and the ratio of unfunded actuarial accrued liabilities to member payroll. The trend in these two ratios provides information about the financial strength of the Plan. Improvement is indicated when the funding ratio is increasing and the ratio of the unfunded actuarial liability to payroll is decreasing.

The Schedule of Employer Contributions shows the Annual Required Contributions by fiscal year. The purpose of this schedule is to provide information about the required contributions of the employers and the extent to which those contributions are being made. The information should assist users in understanding the changes and possible reasons for the changes in the Plan's funding status over time.

## Other Supplemental Information

The Other Supplemental Information Section includes the Supporting Schedule of Changes in Fund Balance Reserves, Supporting Schedule of Payments to Consultants, Supplemental Schedule of Cash Receipts and Cash Disbursements, Schedule of Changes in Employer Reserves, Schedule of Changes in Refundable Member

Reserves, and Schedule of Earnings Distribution. The total columns and information provided on these schedules carry forward to the applicable financial statement.

## Financial Analysis

Net Assets
The Plan's Net Assets totaled $\$ 586,328,473$ at the close of the fiscal year 2002, compared to $\$ 683,192,443$ at the close of the previous fiscal year. This is a $15 \%$ decrease from the prior year. The majority of the decrease is the direct result of the recent declines in the stock market.

CORRECTIONS OFFICER RETIREMENT PLAN
NET ASSETS

|  | 2002 |  |  |  | 2001 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Book Cost* |  | Market Value |  | Book Cost* |  | Market Value |  |
| Current Assets | \$ | 3,638,271 | \$ | 3,638,271 | \$ | 3,619,605 | \$ | 3,619,605 |
| Investments |  | 815,183,172 |  | 756,240,172 |  | 810,846,382 |  | 862,532,504 |
| Total Assets |  | 818,821,443 |  | 759,878,443 |  | 814,465,987 |  | 866,152,109 |
| Other Liabilities |  | 171,959,641 |  | 173,549,970 |  | 182,847,899 |  | 182,959,666 |
| Total Liabilities |  | 171,959,641 |  | 173,549,970 |  | 182,847,899 |  | 182,959,666 |
| Total Net Assets | \$ | 646,861,802 | \$ | 586,328,473 | \$ | 631,618,088 | \$ | 683,192,443 |

*Cost information is provided for reference only.
The largest portion of the Plan's Net Assets (59\%) are invested in Equity Securities; 18\% is invested in high quality Corporate Bonds; 14\% is invested in Government Securities; $5 \%$ is invested in Cash or cash equivalents; and, the remaining $4 \%$ is invested in Other investments.

## Changes in Net Assets

The recent volatility in the stock market has attributed to the majority of the decrease in net assets, as noted earlier. Additional key elements of this decrease are as follows:

## CORRECTIONS OFFICER RETIREMENT PLAN <br> CHANGES IN NET ASSETS

|  |  | 2002 |  | 2001 |
| :---: | :---: | :---: | :---: | :---: |
| Additions: |  |  |  |  |
| Contributions | \$ | 36,633,478 | \$ | 43,893,558 |
| Net Investment (Loss) Income |  | $(100,518,025)$ |  | (138,559,756) |
| Total Additions |  | $(63,884,547)$ |  | $(94,666,198)$ |
| Deductions: |  |  |  |  |
| Pension Benefits |  | 17,576,451 |  | 13,433,499 |
| Terminated Members Refunds |  | 14,271,104 |  | 14,609,539 |
| Administrative Expenses |  | 397,110 |  | 365,742 |
| Transfers |  | 734,758 |  | 1,498,459 |
| Total Deductions |  | 32,979,423 |  | 29,907,239 |
| Change in Net Assets |  | $(96,863,970)$ |  | $(124,573,437)$ |
| Net Assets, Beginning of Year |  | 683,192,443 |  | 807,765,880 |
| Net Assets, End of Year | \$ | 586,328,473 | \$ | 683,192,443 |

Pension benefits and administrative expenses increased from the previous fiscal year. Pension benefits, to include health insurance subsidies, 20 -year retirement, and cost of living adjustments, rose $31 \%$ and administrative expenses rose $9 \%$ during the year. Refunds paid to members who terminated employment during the year were relatively unchanged.

## Trend in Expenses - by Type

(Pension Benefits, Refunds and Administrative Expenses) (in 000's)


Member contribution rates are set by Statute and were unchanged from the previous fiscal year. Employer contributions were reduced by $\$ 7,826,284$ as a result of the average contribution rate going from $5.14 \%$ in the previous fiscal year to $2.00 \%$.

Trend in Revenues - by Type
(Member and Employer Contributions, Investment Income (Loss) (in 000's)


## Economic Factors and Employer Rates

Revenues to the Plan are derived from three sources: member contributions, employer contributions and investment income. Member contribution rates are set by Statute and will remain unchanged at $8.50 \%$. Employer contribution rates are determined annually by an actuarial valuation. The valuation encompasses the rate of investment earnings and the accumulation of substantial reserves to guarantee payment of promised benefits.

Investment gains and losses are smoothed over a four-year period to stabilize the employer contribution rates from year to year. The investment loss suffered last year was the first substantial loss the Plan had suffered in 14 years. The investment loss from the current fiscal year, in conjunction with the investment loss from the previous year, will have a negative impact on the current actuarial valuations. It is anticipated that employer contribution rates will increase to sustain the funding level.

## Requests for Information

This report is designed to provide a general overview of the Corrections Officer Retirement Plan's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to: Corrections Officer Retirement Plan, Operations Director, 1020 E. Missouri, Phoenix, AZ 85014.

|  |  |  | 2002 |  |  |  | 2001 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |  |  |  |
| Receivables |  |  |  |  |  |  |  |  |
| Members' Contributions |  |  | \$ | 212,464 |  |  | \$ | 234,809 |
| Employers' Contributions |  |  |  | 51,302 |  |  |  | 27,797 |
| Interest and Dividends |  |  |  | 3,374,505 |  |  |  | 3,356,999 |
| Total Receivables |  |  |  | 3,638,271 |  |  |  | 3,619,605 |
|  |  | [Book Cost - |  |  |  | [Book Cost - |  |  |
| Investments at Fair Value (Note 2) |  | Reference Only] |  |  |  | Reference Only] |  |  |
| U.S. Government Securities | \$ | 77,651,963 |  | 83,767,814 | \$ | 87,474,972 |  | 92,152,279 |
| Corporate Bonds |  | 108,644,665 |  | 103,402,525 |  | 94,381,334 |  | 89,401,198 |
| Corporate Notes |  | 29,485,869 |  | 29,485,869 |  | 17,000,409 |  | 17,000,409 |
| Corporate Stocks |  | 403,055,869 |  | 341,648,828 |  | 403,522,265 |  | 455,399,449 |
| Other Investments |  | 22,816,690 |  | 22,816,690 |  | 23,815,000 |  | 23,815,000 |
| Money Market Account |  | 1,568,476 |  | 1,568,476 |  | 1,804,503 |  | 1,804,503 |
| Collateral Held in Trust for Securities on Loan |  | 171,959,641 |  | 173,549,970 |  | 182,847,899 |  | 182,959,666 |
| Total Investments | \$ | 815,183,173 |  | 756,240,172 | \$ | 810,846,382 |  | 862,532,504 |
| Total Plan Assets |  |  |  | 759,878,443 |  |  |  | 866,152,109 |
| Liability- Collateral Subject to |  |  |  |  |  |  |  |  |
| Return to Borrower |  |  |  | $(173,549,970)$ |  |  |  | $(182,959,666)$ |
| Net Assets Held in Trust for Pension Benefits | Net Assets Held in Trust |  |  |  |  |  |  | 683,192,443 |
| Net Asset Reserves |  |  |  |  |  |  |  |  |
| Refundable Members' Reserve |  |  | \$ | 142,887,876 |  |  | \$ | 132,404,039 |
| Employers' Reserve |  |  |  | 408,988,533 |  |  |  | 504,968,350 |
| Future Benefit Increase Reserve |  |  |  | 34,452,064 |  |  |  | 45,820,054 |
| Total Net Asset Reserves |  |  | \$ | 586,328,473 |  |  | \$ | 683,192,443 |

A schedule of funding progress is presented immediately following the notes to the financial statements. The accompanying notes are an integral part of these financial statements.


The accompanying notes are an integral part of these financial statements.

# STATE OF ARIZONA <br> CORRECTIONS OFFICER RETIREMENT PLAN <br> NOTES TO FINANCIAL STATEMENTS <br> JUNE 30, 2002 AND 2001 

## NOTE 1 - PLAN DESCRIPTION

## Organization

The Corrections Officer Retirement Plan (CORP), a pension trust fund of the State of Arizona, is an agent multipleemployer public employee retirement plan established by Title 38, Chapter 5, Article 6 of the Arizona Revised Statutes, to provide benefits for prison and jail employees of certain state, county and local governments. The Plan is jointly administered by the Fund Manager of the Public Safety Personnel Retirement System (PSPRS) and 12 Local Boards.

The Fund Manager is a five-member board. Effective August 6, 1999, it became the Governor's responsibility to appoint all members of the Fund Manager, who serve a fixed three-year term. The Fund Manager is responsible for the investment of the plan's assets, setting employer contribution rates in accordance with an actuarial study, adopting a budget, hiring personnel to administer the plan, setting up records, setting up accounts for each member and each Local Board, paying benefits and the general protection and administration of the Plan.

Each employer participating in the Plan has a five-member Local Board. Three members are appointed by the chief elected official of the organization and two members are elected by the active members of the eligible group. In general, each member serves a fixed four-year term. Each Local Board is responsible for determining eligibility for membership, service credits, eligibility for benefits, timing of benefit payments, and the amount of benefits for its eligible group of employees. All costs associated with the administration of the Local Boards are paid by the various governing bodies.

The addition or deletion of eligible groups does not require the approval of the other participating employers. New eligible groups are approved for participation by the Fund Manager. The CORP is not reported as a component unit of any other organization. The Local Boards are reported as component units of their respective sponsoring organization.

The Fund Manager of the CORP is also responsible for the investment and general administration of two other statewide retirement plans-the Public Safety Personnel Retirement System and the Elected Officials' Retirement Plan. The investments and expenses of these plans are held and accounted for separately from those of the CORP. Since none of the plans have the authority to impose their will on any of the other plans, each plan is reported as its own stand-alone government.

At June 30, 2002 and 2001, the number of participating local government employer groups was:

|  | 2002 | 2001 |
| :---: | :---: | :---: |
| Counties | 10 | 10 |
| State Agencies | 2 | 2 |
| Total Employers | 12 | 12 |

Any county or city in the State of Arizona may elect to have its eligible employees (generally, prison or jail personnel who have direct inmate contact) covered by the CORP. At June 30, 2002 and 2001, statewide CORP membership consisted of:

|  | 2002 | 2001 |
| :---: | :---: | :---: |
| Retirees and beneficiaries currently receiving benefits | 1,218 | 1,040 |
| Terminated vested employees | 125 | 146 |
| Current employees |  |  |
| Vested | 2,205 | 2,357 |
| Non-vested | 8,259 | 8,690 |
| Tota | 11,807 | 12,233 |

CORP provides retirement benefits as well as death and disability benefits. Generally, all benefits vest after 10 years of credited service. A summary of benefits and Plan provisions follows:

## SUMMARY OF BENEFITS

Purpose (A.R.S. § 38-900.01.B)
To provide a uniform, consistent and equitable statewide program for those eligible corrections officers as defined by the Plan.

Eligibility (A.R.S. §38-881)
A. For a county, a county detention officer or a non-uniformed employee of a sheriff's department whose customary employment is at least forty hours per week and whose primary duties require direct inmate contact, if the county elects to join the Plan.
B. For the State Department of Corrections, correctional service officers, state correctional program officers and certain other designated positions within the department that are prescribed by statute and whose customary employment is for at least forty hours per week.
C. For the State Department of Juvenile Corrections, youth corrections officers, youth program officers and certain other designated positions within the department that are prescribed by statute and whose customary employment is for at least forty hours per week.
D. For a city or town, a city or town detention officer whose customary employment is for at least forty hours per week, if the city or town elects to join the Plan.
E. For an employer in the Public Safety Personnel Retirement System, full-time dispatchers whose customary employment is for at least forty hours per week, if the employer elects to join the Plan.

Contributions (A.R.S. §38-891)
Each member shall contribute $8.5 \%$ of salary to the Plan on a pre-tax basis by payroll deduction. Each employer shall contribute a level percent of salary as determined by actuarial valuation to ensure proper funding for the Plan but not less than $2 \%$ of salary.

Credited Service (A.R.S. §38-881)
Service in a designated position for which member contributions have been made to the Plan or transferred to the Plan from another retirement system for public employees of this state.

Average Monthly Salary (A.R.S. §38-881)
One thirty-sixth $(1 / 36)$ of aggregate salary paid a member during the highest three consecutive years out of the last ten years of service.

Salary (A.R.S. §38-881)
The base salary, base wages, shift differential pay and holiday pay paid to a member in a designated position for personal services rendered to a participating employer that is paid on a regular monthly, semimonthly or biweekly payroll basis.

Normal Retirement Date (A.R.S. § 38-885.B)
Commences first day of month following completion of twenty years of service, except that for a full-time dispatcher, upon completion of twenty-five years of service, a member's sixty-second birthday and completion of ten years of service, or the month where the sum of the member's age and years of credited service equals eighty.
The amount of monthly normal pension is based on credited service and average monthly salary as follows:
For retirement with twenty years of credited service but less than twenty-five years of credited service, 50\% of average monthly salary for the first twenty years of credited service, plus $2 \%$ of average monthly salary for each year of credited service between twenty and twenty-five. (A.R.S. §38-885.C, ๆ11)

For retirement with less than twenty years of credited service, $21 / 2 \%$ of average monthly salary times the member's years of credited service. (A.R.S. §38-885.C, \| 2 )

For retirement with twenty-five or more years of credited service, $50 \%$ of average monthly salary for the first twenty years of credited service, plus $2-1 / 2 \%$ of average monthly salary for each year of credited service above twenty years, up to a maximum of $80 \%$ of average monthly salary. (A.R.S. §38-885.C, ๆ1)

Accidental Disability Retirement (A.R.S. §38-881, \| 1)
A physical or mental condition which totally and permanently prevents an employee from performing a reasonable range of duties within the employee's department, was incurred in the performance of the employee's duties and was the result of either physical contact with inmates, responding to a confrontational situation with inmates or a job-related motor vehicle accident and was not the result of a physical or mental condition or injury that existed or occurred before the member's date of membership in the Plan.

The Local Board shall base eligibility for an accidental disability or a total and permanent disability on medical evidence and determination that such a disability exists. No credited service requirement. The monthly pension is fifty percent $(50 \%)$ of the member's average monthly salary. The Local Board may require periodic medical re-evaluations until the member reaches age 62. Accidental disability or a total and permanent disability pension terminates if the Local Board finds the retired member no longer meets the requirements for the disability pension. (A.R.S. §38-886)

Total And Permanent Disability Retirement (A.R.S. §38-881, ๆ 22)
A physical or mental condition which totally and permanently prevents a member from engaging in any gainful employment, is the direct and proximate result of the member's performance of their duty as an employee and is not the result of a physical or mental condition or injury that existed or occurred before the member's date of membership in the Plan.

The Local Board shall base eligibility for an accidental disability or a total and permanent disability on medical evidence and determination that such a disability exists. No credited service requirement. The monthly pension is fifty percent (50\%) of the member's average monthly salary. The Local Board may require periodic medical re-evaluations until the member reaches age 62. Accidental disability or a total and permanent disability pension terminates if the Local Board finds the retired member no longer meets the requirements for the disability pension. (A.R.S. §38-886)

## Survivor Pension

The surviving spouse of a member who dies in service or after retirement is eligible for benefits as follows:
Surviving spouse of retired member; Four-fifths (80\%) of retired member's pension at time of death. Requires two years of marriage at time of death. Terminates on death of surviving spouse. (A.R.S. §38-887)

Surviving spouse of a non-retired member; $40 \%$ of deceased member's average monthly salary. Requires two years of marriage at time of death. Terminates on death of surviving spouse. For a member killed in the line of duty, the spouse's pension is $100 \%$ of deceased member's average monthly benefit compensation. (A.R.S. §38-888)

The surviving spouse pension commences on first day of month following death of member.
Death Benefits (A.R.S. §38-904)

1. If an active or inactive member dies and no pension is payable, the member's beneficiary is entitled to receive two times the member's contributions to the CORP.
2. If there is no eligible surviving spouse or if the pension of the surviving spouse is terminated, surviving unmarried children of a deceased retired or active member are entitled to a pension until age 18, or age 23 if a full-time student. A disabled child is also entitled to a pension if the disability began before age 23. The amount of the pension is an equal share of the surviving spouse's pension.

Termination Refund (A.R.S. §38-884.C)
Upon termination of employment, for any reason other than death or retirement, a member shall, within twenty days after filing an application with the Fund Manager, receive a lump-sum payment, equal to his accumulated contributions, as of the date of termination, less any benefits paid or any amounts owed to the Plan. A member forfeits all membership rights and credited service in the Plan upon receipt of refund of contributions. If the member has 5 or more years of credited service upon termination they shall receive an additional amount according to the schedule below.

5 to $5.9-25 \%$ of member contributions deducted from the member's salary pursuant to ARS 38-891.B
6 to $6.9-40 \%$ of member contributions deducted from the member's salary pursuant to ARS 38-891. B
7 to $7.9-55 \%$ of member contributions deducted from the member's salary pursuant to ARS 38-891.B
8 to $8.9-70 \%$ of member contributions deducted from the member's salary pursuant to ARS 38-891.B
9 to $9.9-85 \%$ of member contributions deducted from the member's salary pursuant to ARS 38-891.B
10 or more- $100 \%$ of member contributions deducted from the member's salary pursuant to ARS 38-891.B, plus interest at $3 \%$ if left on deposit after 30 days.

Transfer Of Contributions (A.R.S. §38-908)
A member who terminates employment with an employer and accepts a position with the same or another employer participating in the Plan shall have their credited service transferred to their record with the new employer if they leave their accumulated contributions on deposit with the Plan. The period not employed shall not be considered as credited service.

Reemployment And Repayment Of Contributions (A.R.S. §38-884.H)
A member who terminates and takes a refund of his contributions may elect only upon reemployment within two years with
the same employer in a designated position, to recover the prior credited service if the member submits a written election to reinstate the forfeited credited service within 90 days after reemployment and reimburses the Plan within one year. The amount required to reinstate the credited service is the amount previously withdrawn plus interest at the rate of $9 \%$ compounded annually from the date of withdrawal to the date of repayment.

Reemployment After Retirement (A.R.S. §38-884.J)
A retired member who becomes an employee in a designated position subsequent to retirement shall have the pension suspended during reemployment in a designated position and shall not make contributions to the Plan nor accrue credited service during such reemployment.

Transfer Into Or Out Of Plan (A.R.S. §38-901)
A member who changes employment or transfers or is assigned to a non-eligible position, because of a change in duties or otherwise, may elect one of the following options:

1. Leave service credits and contributions on account with the CORP.
2. Apply for a refund of accumulated member contributions (forfeiting all service credits and membership rights).
3. Transfer all service credits to the Arizona retirement system or plan applicable to the new position pursuant to the requirements for transfer between Arizona state retirement systems.

A member who begins employment with a participating employer in this Plan and who has credited service from a different Arizona state retirement system may transfer or redeem prior service to this Plan pursuant to the requirements for transfer between Arizona state retirement systems.

Redemption Of Prior Service (A.R.S. §38-884.I)
Active members who previously contributed to the Plan but who refunded their contributions thereby forfeiting credited service under the Plan may redeem some or all of this credited service. The member must pay the actuarial present value of the increase of credited service resulting from the purchase of forfeited time in order to redeem this service.

Purchase Of Prior Active Military Service (A.R.S. §38-907)
A member may purchase up to four years of prior active military time that is not on account with any other retirement system. The member must pay the actuarial present value of the increase of credited service resulting from this purchase.

Transfer Between State Retirement Systems (A.R.S. §38-921 and §38-922)
Members of any of the four Arizona state retirement systems or plans who have credited service under another Arizona state retirement system or plan may transfer or redeem the credited service to their current Arizona state retirement system or plan by paying or transferring the full actuarial present value of the credited service into their current Arizona retirement system or plan with approval of the Fund Manager or retirement boards involved. A reduced credited service amount may be transferred based on the transfer of the actuarial present value of the credited service under the prior Arizona state system or plan.

Cola Benefit Increases (A.R.S. §38-905)
Effective July 1 of each year, each retired member or survivor of a retired member may be entitled to a permanent benefit increase in their base benefit. The maximum amount of the increase is four percent (4\%) of the benefit being received on the preceding June 30 and is contingent upon sufficient excess investment earnings for the fund. To be eligible for the increase the member or survivor must be age 55 or older on July 1 of the current year and was receiving benefits on or before July 31 of the previous year. A member or survivor is also eligible if they were receiving benefits on or before July 31 of the two previous years regardless of age.

Health Insurance Premium Subsidy (A.R.S. §38-906)
For CORP retirees or survivors who have elected group health and accident insurance coverage provided and administered by the state or another CORP employer, the CORP will pay up the following amounts:

| Single |  | Family |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Not Medicare <br> Eligible | Medicare Eligible | All Not Medicare <br> Eligible | All Medicare Eligible | One with Medicare |
| $\$ 150.00$ | $\$ 100.00$ | $\$ 260.00$ | $\$ 170.00$ | $\$ 215.00$ |

Until June 30, 2003, a retiree or survivor who lives in a nonservice area receives up to the following amounts in addition to the subsidy listed above. A nonservice area is defined as an area in this state where the state retiree group insurance program or employer's retiree health insurance program does not provide or administer a health maintenance organization (HMO) for which the member or survivor is eligible. The subsidy consists of up to the following amounts:

| Single |  |  | Family |  |
| :---: | :---: | :---: | :---: | :---: |
| Not Medicare | Medicare <br> Eligible | All Not Medicare <br> Eligible | All Medicare Eligible | One with Medicare |
| $\$ 300.00$ | $\$ 170.00$ | $\$ 600.00$ | $\$ 350.00$ | $\$ 470.00$ |

State Taxation Of Corp Benefits (A.R.S. §38-896 and §43-1022)
Effective tax year commencing January 1, 1989, all CORP retirement benefits in excess of $\$ 2,500$ annually will be subject to Arizona state tax.

## NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND PLAN ASSET MATTERS

## Basis of Accounting

CORP financial statements are prepared using the accrual basis of accounting. Member and employer contributions are recognized as revenues in the period in which employee services are performed. Benefits due are paid in arrears on the last working day of each month. Refunds are due and payable by state law within 20 days of receipt of a written application for a refund. Refunds are recorded when paid. Furniture and equipment purchases, which are not material in amount, are expensed in the year of purchase. Investment income net of administrative and investment expenses is allocated to each employer group based on the average relative fund size for each employer group for that year.

The Plan implemented Statement No. 25 of the Governmental Accounting Standards Board (GASB) for Fiscal Year End 1997. As such, the Plan reports assets on a Fair Value Basis. Certain cost information is provided for reference only and to comply with state law.

The Plan implemented GASB Statement No. 34 for the Fiscal Year End 2002. The purpose of Statement No. 34 is to enhance the understandability and usefulness of state and local government financial reports. To accomplish this, Statement No. 34 requires supplemental information titled Management's Discussion and Analysis (MDA) which precedes the basic financial statements. The MDA will provide an analytical overview of the government's financial activities.

Other GASB Statements were required to be implemented in conjunction with GASB Statement No. 34. Therefore, the Plan has also implemented the following GASB Statements in the current fiscal year: Statement No. 37 - Basic Financial Statements - and MDA for State and Local Governments-Omnibus; and, Statement No. 38 - Certain Financial Statement Note Disclosures.

By state statute, this Plan is required to provide information in the financial statements used to calculate Net Effective Yield. Net Effective Yield includes only realized gains and losses. The Net Realized Gains (Losses) used in this calculation totaled $\$(6,739,215)$ for FYE 2002 and $\$ 12,185,084$ for FYE 2001.

## Investments

CORP investments are reported at Fair Value. Fair Values are determined as follows: Short-term investments are reported at Fair Value, which approximates Cost. Equity securities are valued at the last reported sales price. Fixedincome securities are valued using the last reported sales price or the estimated fair market value as determined by one of the world's largest and most prominent fixed-income broker/dealers. Investments that do not have an established market are reported at estimated fair value. Investment income is recognized as earned.

Statutes enacted by the Arizona Legislature authorize the Fund Manager to make investments in accordance with the "Prudent Man" rule. The Fund Manager is not limited to so-called "Legal Investments for Trustees." (A.R.S. §38-848.D) In making every investment, the Fund Manager shall exercise the judgment and care under the circumstances then prevailing which men of ordinary prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation but in regard to the permanent disposition of their funds, considering the probable income from their funds as well as the probable safety of their capital, provided:

1) That not more than seventy per cent of the pension fund shall be invested at any given time in corporate stocks, based on cost value of such stocks irrespective of capital appreciation.
2) That not more than five per cent of the pension fund shall be invested in securities issued by any one institution, agency or corporation, other than securities issued as direct obligations of and fully guaranteed by the United States Government.
3) That not more than five per cent of the voting stock of any one corporation shall be owned.
4) That corporate stocks eligible for purchase shall be restricted to stocks that, except for bank stocks and insurance stocks, are either:
a) Listed or approved on issuance for listing on an exchange registered under the Securities Exchange Act of 1934, as amended (15 United States Code §78a through §7811);
b) Designated or approved on notice of issuance for designation on the national market system of a national securities association registered under the Securities Exchange Act of 1934, as amended (15 United States Code §78a through §7811);
c) Listed or approved on issuance for listing on an exchange registered under the laws of this [Arizona] state or any other state; or
d) Listed or approved on issuance for listing on an exchange of a foreign country with which the United States is maintaining diplomatic relations at the time of purchase, except that no more than ten per cent of the pension fund shall be invested in foreign equity securities on these exchanges, based on the cost value of the stocks irrespective of capital appreciation.
A.R.S. §38-848.D

The Plan's investment portfolio is in compliance with state law.
Statement No. 3 of the GASB requires government entities to categorize investments for the purpose of giving an indication of the level of risk assumed by the entity at year-end. Category 1 includes investments that are insured or registered or for which securities are held by the Plan or its agent in the name of the Plan. Category 2 includes uninsured and unregistered investments for which the securities are held by the counterparty, or by its trust department or agent but not in the Plan's name.

All investments of the Plan (other than those held by broker/dealers under the security loan program and those investments categorized as "Other Investments") meet the criteria of Category 1. "Other Investments", which primarily consists of loans and real estate investments, are not considered securities for purposes of credit risk classification. Substantially all investments are held in the name of the Plan by its custodian bank.

## Money Market Account

The money market account is on deposit with an Arizona bank. These deposits are insured by federal depository insurance. The money market account is subject to the general depository laws of the State of Arizona which require deposits to be either insured by the Federal Deposit Insurance Corporation or collateralized by certain securities including U.S. Government obligations and first mortgages.

## Securities Lending Income

The Plan is party to a securities lending agreement with a bank. The bank, on behalf of the Plan, enters into agreements with brokers to loan securities and have the same securities returned at a later date. The loans are fully collateralized primarily by cash. Collateral is marked-to-market on a daily basis. Non-cash collateral can be sold only upon borrower default. The Plan requires collateral of at least $102 \%$ of the fair value of the loaned U.S. Government or corporate security. Securities on loan are carried at fair value. As of June 30, 2002 and 2001 the fair value of securities on loan was $\$ 168,900,191$ (consisting of Stocks- $\$ 69,902,309$, Corporate Bonds- $\$ 19,004,357$, and Treasuries and Agencies$\$ 79,993,525$ ) and $\$ 175,474,394$ (consisting of Stocks-\$82,473,991, Corporate Bonds-\$20,992,417 and Treasuries and Agencies- $\$ 72,007,986$ ), respectively. The Plan receives a negotiated fee for its loan activities and is indemnified for broker default by the securities lending agent. The Plan participates in a collateral investment pool. All security loans can be terminated on demand by either the pool participants or the borrower. All term loans have a matched collateral investment. The total cash collateral investments received for unmatched loans (any loan for which the cash collateral has not been invested for a specific maturity), will have a maximum average maturity, using the reset date as the maturity date, of not more than 45 days. And, at least $20 \%$ of total collateral investments must be invested on an overnight basis and at least $30 \%$ of total collateral investments must be invested with a maturity of 7 days or less. Additionally, no more than $20 \%$ of the total collateral investments will be invested in instruments maturing in over 91 days. In lending securities, investments of cash collateral for open loans as of June 30, 2002 are not matched in maturity and have a weighted average maturity of 17 days, 9 days as of June 30, 2001. The Plan has no credit risk exposure to borrowers, because the amounts the Plan owes to the borrowers exceed the amounts the borrowers owe the Plan. Under this program, the Plan has not experienced any defaults or losses on these loans.

## NOTE 3 - CONTRIBUTIONS REQUIRED AND CONTRIBUTIONS MADE

The Retirement Plan's funding policy provides for periodic employer contributions at actuarially determined rates that, expressed as percentages of annual covered payroll, are designed to accumulate sufficient assets to pay benefits when due. The normal cost and actuarial accrued liability are determined using an entry age actuarial funding method. Unfunded actuarial accrued liabilities and assets in excess of actuarial accrued liabilities are being amortized as a level percent of payroll over a rolling twenty (20) year period. Beginning with Fiscal Year 2001-2002, the employer contribution rate shall not be less than two percent of compensation.

During the year ended June 30, 2002, contributions totaling \$36,633,478 (\$7,101,112 employer and \$29,532,366 member) were made in accordance with contribution requirements determined by an actuarial valuation of the Plan as of

June 30, 2000. The employer contributions consisted of approximately $\$ 17,024,540$ for normal cost less ( $\$ 9,923,428$ ) for amortization of the assets in excess of the actuarial accrued liability in aggregate. Employer contributions represented 2.09\% of covered payroll. [4.90\% for normal costs and (2.81)\% for amortization of assets in excess of the actuarial accrued liability in aggregate.] Member contributions represented $8.50 \%$ of covered payroll and are attributable to normal costs.

During the year ended June 30, 2001, contributions totaling \$43,893,558 (\$14,927,396 employer and \$28,966,162 member) were made in accordance with contribution requirements determined by an actuarial valuation of the Plan as of June 30, 1999. The employer contributions consisted of approximately $\$ 16,766,296$ for normal cost less ( $\$ 1,838,900$ ) for amortization of the assets in excess of the actuarial accrued liability in aggregate. Employer contributions represented $1.88 \%$ of covered payroll. [4.92\% for normal costs and (3.04)\% for amortization of assets in excess of the actuarial accrued liability in aggregate.] Member contributions represented $8.50 \%$ of covered payroll and are attributable to normal costs.

## NOTE 4 - REQUIRED SCHEDULES

The Schedule of Funding Progress and the Schedule of Employer Contributions are presented immediately following the notes to the financial statements.

## STATE OF ARIZONA

CORRECTIONS OFFICER RETIREMENT PLAN REQUIRED SUPPLEMENTARY INFORMATION SCHEDULE OF FUNDING PROGRESS

While not any one or two numeric indices can fully describe the financial condition of a retirement plan, the ratio of unfunded actuarial accrued liabilities to active member payroll is significant. The ratio of unfunded actuarial accrued liabilities to member payroll is a relative index of condition where inflation is present in both items. Observation of the ratio over a period of years gives an indication of funding achievement. The smaller the index, the stronger the plan's condition. Shown below is a Comparative Schedule (\$ in thousands) since legislation was enacted in 1987, setting up a 40-year amortization schedule. Effective June 30,1997, Unfunded (Excess) Actuarial Accrued Liabilities are being amortized on a level percent method over a rolling twenty (20) year period.

| Actuarial Valuation Date |  | Actuarial Value of Assets $(\mathrm{a})^{2}$ | Actuarial Accrued Liability (AAL) at Entry Age <br> (b) |  | Unfunded (Excess) AAL (UAAL) (b-a) |  | Funded Ratio (a/b) | Covered Payroll (c) | UAAL as a Percentage of Covered Payroll ((b-a)/c)) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6-30-87 | \$ | 47,550 | \$ | 68,932 | \$ | 21,382 | 69.0\% | \$ 102,910 | 20.8\% |
| 6-30-88 | \$ | 69,842 | \$ | 76,884 | \$ | 7,042 | 90.8\% | \$117,234 | 6.0\% |
| 6-30-89 ${ }^{1}$ | \$ | 88,756 | \$ | 99,113 | \$ | 10,357 | 89.6\% | \$ 134,520 | 7.7\% |
| 6-30-90 ${ }^{1}$ | \$ | 108,973 | \$ | 122,578 | \$ | 13,605 | 88.9\% | \$ 136,693 | 10.0\% |
| 6-30-91 ${ }^{1}$ | \$ | 138,901 | \$ | 146,300 | \$ | 7,399 | 94.9\% | \$ 153,351 | 4.8\% |
| 6-30-92 | \$ | 168,553 | \$ | 163,640 | \$ | $(4,913)$ | 103.0\% | \$ 156,257 | -3.1\% |
| 6-30-93 * | \$ | 198,692 | \$ | 184,299 | \$ | $(14,393)$ | 107.8\% | \$ 166,831 | -8.6\% |
| 6-30-94 ${ }^{1}$ | \$ | 223,902 | \$ | 221,487 | \$ | $(2,415)$ | 101.1\% | \$ 177,717 | -1.4\% |
| 6-30-95 | \$ | 265,006 | \$ | 254,189 | \$ | $(10,817)$ | 104.3\% | \$ 198,603 | -5.4\% |
| 6-30-96 | \$ | 319,255 | \$ | 290,518 | \$ | $(28,737)$ | 109.9\% | \$ 224,686 | -12.8\% |
| 6-30-97 ${ }^{\text {¹ }}$ | \$ | 393,904 | \$ | 355,590 | \$ | $(38,314)$ | 110.8\% | \$ 249,203 | -15.4\% |
| 6-30-98 | \$ | 484,956 | \$ | 410,531 | \$ | $(74,425)$ | 118.1\% | \$ 261,700 | -28.4\% |
| 6-30-99 | \$ | 592,152 | \$ | 443,676 | \$ | $(148,476)$ | 133.5\% | \$ 305,478 | -48.6\% |
| 6-30-00 | \$ | 704,991 | \$ | 501,323 | \$ | $(203,668)$ | 140.6\% | \$339,440 | -60.0\% |
| 6-30-01 | \$ | 776,177 | \$ | 554,387 | \$ | $(221,790)$ | 140.0\% | \$ 339,783 | -65.3\% |
| 6-30-02 | \$ | 782,446 | \$ | 632,238 | + | $(150,208)$ | 123.8\% | \$330,428 | -45.5\% |

* One-time cost-of-living adjustments for retired members and survivors, effective July 1 were included in this valuation. Future increases for retirees and their survivors are dependent upon excess earnings created by the System.

1. Reflects significant Plan amendments or assumption changes.
2. Excludes the amount held in reserve for future benefit increases. Beginning 6-30-95, includes an amount for partial recognition of the difference between market value and book value of Plan assets amortized over a four-year period.

AAL is calculated using the entry-age normal method. Significant assumptions used in determining AAL include: (a) a rate of return on the investment of present and future assets of $9.0 \%$ per year compounded annually; (b) projected salary increases of $6.5 \%$ per year compounded annually, attributable to an assumed inflation rate of $5.5 \%$ and other across-the-board factors of $1.0 \%$; and (c) additional projected salary increases ranging from $0.0 \%$ to $3.0 \%$ per year, depending on age, attributable to seniority/merit.

|  | Employer Contributions |  |
| :---: | :---: | :---: |
| Fiscal <br> Year Ended <br> June 30 | Annual <br> Required <br> Contributions | Percentage <br> Contributed |
| 1990 | $\$ 8,250,984$ | $100.00 \%$ |
| 1991 | $\$ 9,764,220$ | $100.00 \%$ |
| 1992 | $\$ 9,492,656$ | $100.00 \%$ |
| 1993 | $\$ 10,099,143$ | $100.00 \%$ |
| 1994 | $\$ 10,032,668$ | $100.00 \%$ |
| 1995 | $\$ 10,565,831$ | $100.00 \%$ |
| 1996 | $\$ 14,371,254$ | $100.00 \%$ |
| 1997 | $\$ 16,704,445$ | $100.00 \%$ |
| 1998 | $\$ 17,063,015$ | $100.00 \%$ |
| 1999 | $\$ 17,109,704$ | $100.00 \%$ |
| 2000 | $\$ 16,876,163$ | $100.00 \%$ |
| 2001 | $\$ 14,927,396$ | $100.00 \%$ |
| 2002 | $\$ 7,101,112$ | $100.00 \%$ |

# STATE OF ARIZONA <br> CORRECTIONS OFFICER RETIREMENT PLAN SUPPORTING SCHEDULE OF CHANGES IN FUND BALANCE RESERVES FOR THE YEARS ENDED JUNE 30, 2002 AND 2001 

## Balance - June 30, 2000

| Refundable <br> Members' <br> Reserve | Employers' <br> Reserve | Future Benefit <br> Increase <br> Reserve |
| :---: | :---: | :---: |
| $\$ 119,562,020$ | $\$ 628,418,971$ | $\$ 59,784,889$ |


| Distribution of Revenues and Expenses |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Members' Contributions | 28,966,162 |  |  |  |
| Employers' Contributions |  | 14,927,396 |  |  |
| Earnings (Loss) on Investments Net of Investment Expenses |  | $(138,559,756)$ |  |  |
| Pension Benefits |  | $(13,433,499)$ |  |  |
| Refunds to Terminated Members | $(11,491,724)$ | $(3,117,815)$ |  |  |
| Administrative Expenses |  | $(365,742)$ |  |  |
| Distribution of Transfers |  |  |  |  |
| Excess Investment Earnings to be used for Future Benefit Increases |  |  |  |  |
| Earnings (Loss) on Excess Investment Earnings Account Assets |  | 10,202,889 |  | $(10,202,889)$ |
| Amount Utilized by Benefit Increases Granted |  | 3,761,946 |  | $(3,761,946)$ |
| Net Transfers to Other State-Sponsored Pension Plans | $(538,336)$ | $(960,123)$ |  |  |
| Inter-System Transfers -- Employer Account |  |  |  |  |
| Inter-System Transfers -- Member Account |  |  |  |  |
| Balances Transferred to Employers' Reserve due to Retirement | $(4,384,403)$ | 4,384,403 |  |  |
| Balance - June 30, 2001 | \$132,404,039 | \$ 504,968,350 | \$ | 45,820,054 |
| Distribution of Revenues and Expenses |  |  |  |  |
| Members' Contributions | 29,532,366 |  |  |  |
| Employers' Contributions |  | 7,101,112 |  |  |
| Earnings (Loss) on Investments Net of Investment Expenses |  | $(100,518,025)$ |  |  |
| Pension Benefits |  | $(17,576,451)$ |  |  |
| Refunds to Terminated Members | $(11,196,107)$ | $(3,074,997)$ |  |  |
| Administrative Expenses |  | $(397,110)$ |  |  |
| Distribution of Transfers |  |  |  |  |
| Excess Investment Earnings to be used |  |  |  |  |
| Earnings (Loss) on Excess Investment Earnings Account Assets |  | 6,717,220 |  | (6,717,220) |
| Amount Utilized by Benefit Increases Granted |  | 4,650,770 |  | $(4,650,770)$ |
| Net Transfers to Other State-Sponsored Pension Plans | $(74,444)$ | $(660,314)$ |  |  |
| Inter-System Transfers -- Employer Account |  |  |  |  |
| Balances Transferred for Refund Interest | 121,462 | $(121,462)$ |  |  |
| Inter-System Transfers -- Member Account |  |  |  |  |
| Balances Transferred to Employers' Reserve |  |  |  |  |
| Balance - June 30, 2002 | \$142,887,876 | \$ 408,988,533 | \$ | 34,452,064 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN SUPPORTING SCHEDULE OF ADMINISTRATIVE AND INVESTMENT EXPENSES SUPPORTING SCHEDULE OF PAYMENTS TO CONSULTANTS FOR THE YEAR ENDED JUNE 30, 2002

|  | Administrative | Investment | Total |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
|  | $\$$ | 5,250 | $\$$ | - | $\$$ |
| Accounting and Auditing Services |  | 20,725 |  | 5,250 |  |
| Actuarial Services |  | 8,485 |  | 1,085 | $\$$ |
| Computer Equipment |  | 24,865 |  | 3,661 | $\$$ |
| Contractual Services | 7,675 |  | 1,472 | $\$$ | 9,525 |
| DC ER Match | 8,446 |  | 5,464 | $\$$ | 13,910 |
| Educational Expenses |  | 3,849 |  | 364 | $\$$ |

## Consultants

## Fees Paid

Standard \& Poor's Securities, Inc. - Investment Counsel
Rodwan \& Nichols - Consulting Actuaries
\$ (1) ,725

Barrows \& Schatza, P.L.C. - Auditors
Lieberman, Dodge, Gerding, Kothe \& Anderson, Ltd. - Legal Counsel
5,250
$\$ \quad 38,812$
(1) This service was provided to the Plan without charge by Standard \& Poor's Securities, Inc. The value of their services is approximately $\$ 22,500$

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN SUPPLEMENTAL SCHEDULE OF CASH RECEIPTS AND CASH DISBURSEMENTS FOR THE YEARS ENDED JUNE 30, 2002 AND 2001

|  | 2002 |  | 2001 |  |
| :---: | :---: | :---: | :---: | :---: |
| RECEIPTS |  |  |  |  |
| Members' Contributions | \$ | 29,515,623 | \$ | 29,359,220 |
| Employers' Contributions |  | 7,077,607 |  | 15,254,818 |
| Interest |  | 15,525,850 |  | 14,802,434 |
| Dividends |  | 2,397,604 |  | 2,591,694 |
| Securities Lending Income |  | 344,065 |  | 222,654 |
| Amounts Transferred from Other |  |  |  |  |
| State-Sponsored Pension Plans |  | 1,325,465 |  | 147,192 |
| Maturities and Sales of |  |  |  |  |
| U.S. Government Securities |  | 22,778,322 |  | 9,577,850 |
| Corporate Bonds |  | 14,438,688 |  | 2,335,129 |
| Corporate Notes |  | 2,242,731,375 |  | 1,907,303,821 |
| Other Investments |  | 5,053,278 |  | 3,664,358 |
| Common Stock |  | 65,923,488 |  | 131,108,149 |
| Net Decrease in Money Market Fund |  | 236,027 |  | - |
| Total Receipts |  | 2,407,347,392 |  | 2,116,367,319 |
| DISBURSEMENTS |  |  |  |  |
| Pension Benefits |  | 17,576,451 |  | 13,433,499 |
| Refunds to Terminated Members |  | 14,271,104 |  | 14,609,539 |
| Investment and Administrative Expenses |  | 435,653 |  | 456,496 |
| Amounts Transferred to Other |  |  |  |  |
| State-Sponsored Pension Plans |  | 2,060,223 |  | 1,645,651 |
| Acquisitions of |  |  |  |  |
| U.S. Government Securities |  | 12,955,313 |  | 28,470,161 |
| Corporate Bonds |  | 27,652,322 |  | 13,051,370 |
| Corporate Notes |  | 2,255,216,836 |  | 1,915,315,644 |
| Other Investments |  | 3,758,145 |  | 7,417,905 |
| Common Stock |  | 73,421,346 |  | 121,320,068 |
| Net Increase in Money Market Fund |  | - |  | 646,986 |
| Total Disbursements |  | 2,407,347,392 |  | 2,116,367,319 |
| DECREASE IN CASH |  | - |  | - |
| BEGINNING CASH BALANCE - July 1 |  | - |  | - |
| ENDING CASH BALANCE - June 30 | \$ | - | \$ | - |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN

## SCHEDULE OF CHANGES IN EMPLOYER RESERVES - YEAR ENDED JUNE 30, 2002

AND UNFUNDED ACCRUED NORMAL COSTS AT JUNE 30, 2001

| $\begin{aligned} & \text { Sys } \\ & \text { No. } \end{aligned}$ | System | $\begin{gathered} \text { Balance } \\ \text { June 30, } 2001 \end{gathered}$(at cost) |  | Reserve <br> Transfers |  | Contributions Received |  | Pension Payment |  | Enhanced Refunds |  | Distribution of Earnings |  | $\begin{gathered} \text { Balance } \\ \text { June } 30,2002 \\ \text { (at cost) } \\ \hline \end{gathered}$ |  | Unfunded Accrued Normal Costs at June 30, 2001 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 500 | Dept. of Corrections | \$ | 356,283,110.55 | \$ | 6,067,699.99 | \$ | 4,954,734.44 | \$ | (13,130,285.36) | \$ | (2,493,413.69) | \$ | 7,993,915.95 | \$ | 359,675,761.88 | \$ | (159,274,966.00) |
| 501 | Dept. of Juv. Correc. | \$ | 33,374,637.45 | \$ | 269,288.74 | \$ | 819,775.80 | \$ | (1,037,771.39) | \$ | $(104,399.60)$ | \$ | 778,012.05 | \$ | 34,099,543.05 | \$ | (13,945,053.00) |
| 505 | Maricopa County | \$ | 68,187,009.11 | \$ | 703,938.66 | \$ | 704,556.19 | \$ | (2,151,992.46) | \$ | $(252,352.69)$ | \$ | 1,499,150.45 | \$ | 68,690,309.26 | \$ | (28,427,814.00) |
| 510 | Yuma County | \$ | 5,238,988.90 | \$ | $(46,711.32)$ | \$ | 89,290.43 | \$ | $(40,240.44)$ | \$ | $(28,768.48)$ | \$ | 117,660.27 | \$ | 5,330,219.36 | \$ | (3,531,592.00) |
| 515 | Pima County | \$ | 23,781,609.45 | \$ | 75,557.90 | \$ | 273,551.11 | \$ | $(760,694.70)$ | \$ | $(103,855.17)$ | \$ | 527,864.33 | \$ | 23,794,032.92 | \$ | (8,875,747.00) |
| 520 | Apache County | \$ | 495,614.68 | \$ |  | \$ | 11,921.83 | \$ |  | \$ |  | \$ | 11,887.30 | \$ | 519,423.81 | \$ | $(348,316.00)$ |
| 525 | Cochise County | \$ | 2,610,494.15 | \$ | 75,959.07 | \$ | 31,853.93 | \$ | $(136,865.22)$ | \$ | $(21,703.62)$ | \$ | 56,425.62 | \$ | 2,616,163.93 | \$ | (1,553,888.00) |
| 530 | Coconino County | \$ | 1,064,693.56 | \$ | $(49,655.39)$ | \$ | 71,859.78 | \$ | $(13,486.92)$ | \$ |  | \$ | 28,479.76 | \$ | 1,101,890.79 | \$ | (711,242.00) |
| 535 | Mohave County | \$ | 2,601,884.97 | \$ | $(19,355.16)$ | \$ | 31,661.88 | \$ | $(55,697.46)$ | \$ | $(22,796.56)$ | \$ | 54,700.38 | \$ | 2,590,398.05 | \$ | (2,090,329.00) |
| 540 | Santa Cruz County | \$ | 850,516.53 | \$ | $(73,393.75)$ | \$ | 7,572.29 | \$ | $(12,234.64)$ | \$ |  | \$ | 17,870.61 | \$ | 790,331.04 | \$ | $(730,061.00)$ |
| 545 | Navajo County | \$ | 962,579.16 | \$ | 783.41 | \$ | 17,101.03 | \$ | $(27,688.34)$ | \$ | - | \$ | 21,247.75 | \$ | 974,023.01 | \$ | (731,240.00) |
| 550 | Yavapai County | \$ | 3,762,909.60 | \$ | 113,551.62 | \$ | 87,232.86 | \$ | (209,494.13) | \$ | $(47,707.56)$ | \$ | 85,335.70 | \$ | 3,791,828.09 | \$ | $(1,570,107.00)$ |
|  | TOTAL | \$ | 499,214,048.11 | \$ | 7,117,663.77 | \$ | 7,101,111.57 | \$ | $(17,576,451.06)$ | \$ | (3,074,997.37) | \$ | 11,192,550.17 | \$ | 503,973,925.19 | \$ | (221,790,355.00) |

# STATE OF ARIZONA 

CORRECTIONS OFFICER RETIREMENT PLAN SCHEDULE OF CHANGES IN REFUNDABLE MEMBER RESERVES

FISCAL YEAR ENDED JUNE 30, 2002

| Sys No. | System | $\begin{gathered} \text { Balance } \\ \text { June 30, } 2001 \\ \hline \end{gathered}$ |  | Reserve <br> Transfers |  | Contributions Received |  | Withdrawn <br> Members |  | Balance June 30, 2002 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 500 | Dept. of Corrections | \$ | 95,205,046.81 | \$ | (6,079,577.14) | \$ | 21,353,237.63 | \$ | (8,579,980.14) | \$ | 101,898,727.16 |
| 501 | Dept. of Juv. Correc. | \$ | 10,034,590.21 | \$ | $(160,745.35)$ | \$ | 2,503,191.49 | \$ | (1,069,338.85) | \$ | 11,307,697.50 |
| 505 | Maricopa County | \$ | 16,638,854.32 | \$ | (1,164,483.56) | \$ | 3,090,624.13 | \$ | $(757,385.38)$ | \$ | 17,807,609.51 |
| 510 | Yuma County | \$ | 1,346,984.65 | \$ | $(65,257.86)$ | \$ | 392,899.99 | \$ | $(151,886.46)$ | \$ | 1,522,740.32 |
| 515 | Pima County | \$ | 6,005,150.42 | \$ | $(191,882.19)$ | \$ | 1,177,165.58 | \$ | $(252,323.49)$ | \$ | 6,738,110.32 |
| 520 | Apache County | \$ | 155,791.83 | \$ |  | \$ | 48,095.72 | \$ | $(17,476.48)$ | \$ | 186,411.07 |
| 525 | Cochise County | \$ | 587,607.88 | \$ | $(53,336.07)$ | \$ | 135,386.54 | \$ | $(36,866.16)$ | \$ | 632,792.19 |
| 530 | Coconino County | \$ | 470,026.33 | \$ | $(20,633.61)$ | \$ | 227,913.26 | \$ | $(66,837.54)$ | \$ | 610,468.44 |
| 535 | Mohave County | \$ | 511,285.54 | \$ | $(12,831.84)$ | \$ | 134,549.32 | \$ | $(85,797.32)$ | \$ | 547,205.70 |
| 540 | Santa Cruz County | \$ | 213,227.65 | \$ | $(51,050.25)$ | \$ | 32,183.14 | \$ | $(3,785.39)$ | \$ | 190,575.15 |
| 545 | Navajo County | \$ | 232,348.29 | \$ | (783.41) | \$ | 72,679.01 | \$ | $(45,815.07)$ | \$ | 258,428.82 |
| 550 | Yavapai County | \$ | 1,003,125.50 | \$ | $(51,840.62)$ | \$ | 364,440.32 | \$ | $(128,614.23)$ | \$ | 1,187,110.97 |
|  | TOTAL | \$ | 132,404,039.43 | \$ | (7,852,421.90) | \$ | 29,532,366.13 | \$ | $(11,196,106.51)$ | \$ | 142,887,877.15 |

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STATE OF ARIZONA
CORRECTIONS OFFICERS RETIREMENT PLAN
EARNINGS DISTRIBUTION - FISCAL YEAR ENDED JUNE 30, 2002

| Sys No. | System |  | Employer Reserve June 30, 2001 |  | Employer Reserve June 30, 2002 |  | Member <br> Reserve June 30, 2001 |  | Member <br> Reserve <br> June 30, 2002 |  | Combined Reserves |  | Mean Balance | Factor |  | Investment Earnings |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 500 | Dept. of Corrections | \$ | 335,577,700.67 | \$ | 351,681,845.93 | \$ | 95,205,046.81 | \$ | 101,898,727.16 | \$ | 884,363,320.57 | \$ | 442,181,660.29 | 71.4218\% | \$ | 7,993,915.95 |
| 501 | Dept. of Juv. Correc. | \$ | 31,407,302.45 | \$ | 33,321,531.00 | \$ | 10,034,590.21 | \$ | 11,307,697.50 | \$ | 86,071,121.16 | \$ | 43,035,560.58 | 6.9512\% | \$ | 778,012.05 |
| 505 | Maricopa County | \$ | 64,212,715.26 | \$ | 67,191,158.81 | \$ | 16,638,854.32 | \$ | 17,807,609.51 | \$ | 165,850,337.90 | \$ | 82,925,168.95 | 13.3942\% | \$ | 1,499,150.45 |
| 510 | Yuma County | \$ | 4,934,418.64 | \$ | 5,212,559.09 | \$ | 1,346,984.65 | \$ | 1,522,740.32 | \$ | 13,016,702.70 | \$ | 6,508,351.35 | 1.0512\% | \$ | 117,660.27 |
| 515 | Pima County | \$ | 22,387,964.18 | \$ | 23,266,168.59 | \$ | 6,005,150.42 | \$ | 6,738,110.32 | \$ | 58,397,393.51 | \$ | 29,198,696.76 | 4.7162\% | \$ | 527,864.33 |
| 520 | Apache County | \$ | 465,347.34 | \$ | 507,536.51 | \$ | 155,791.83 | \$ | 186,411.07 | \$ | 1,315,086.75 | \$ | 657,543.38 | 0.1062\% | \$ | 11,887.30 |
| 525 | Cochise County | \$ | 2,462,202.58 | \$ | 2,559,738.31 | \$ | 587,607.88 | \$ | 632,792.19 | \$ | 6,242,340.96 | \$ | 3,121,170.48 | 0.5041\% | \$ | 56,425.62 |
| 530 | Coconino County | \$ | 996,797.32 | \$ | 1,073,411.03 | \$ | 470,026.33 | \$ | 610,468.44 | \$ | 3,150,703.12 | \$ | 1,575,351.56 | 0.2545\% | \$ | 28,479.76 |
| 535 | Mohave County | \$ | 2,457,290.72 | \$ | 2,535,697.67 | \$ | 511,285.54 | \$ | 547,205.70 | \$ | 6,051,479.63 | \$ | 3,025,739.82 | 0.4887\% | \$ | 54,700.38 |
| 540 | Santa Cruz County | \$ | 800,755.73 | \$ | 772,460.43 | \$ | 213,227.65 | \$ | 190,575.15 | \$ | 1,977,018.96 | \$ | 988,509.48 | 0.1597\% | \$ | 17,870.61 |
| 545 | Navajo County | \$ | 907,077.81 | \$ | 952,775.26 | \$ | 232,348.29 | \$ | 258,428.82 | \$ | 2,350,630.18 | \$ | 1,175,315.09 | 0.1898\% | \$ | 21,247.75 |
| 550 | Yavapai County | \$ | 3,543,920.89 | \$ | 3,706,492.39 | \$ | 1,003,125.50 | \$ | 1,187,110.97 | \$ | 9,440,649.75 | \$ | 4,720,324.88 | 0.7624\% | \$ | 85,335.70 |
|  | TOTAL | \$ | 470,153,493.59 | \$ | 492,781,375.02 | \$ | 132,404,039.43 | \$ | 142,887,877.15 | \$ | 1,238,226,785.19 | \$ | 619,113,392.60 | 100.00\% | \$ | 11,192,550.17 |

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# INVESTMENT SECTION 

# CORRECTIONS OFFICER RETIREMENT PLAN SIXTEENTH COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR THE FISCAL YEAR ENDED 

JUNE 30, 2002

Fund Objectives Investment Performance Data Supporting Schedule of Commissions Paid to Brokers Summary of Changes in Investment Portfolio Detailed List of Investments Acquired

Detailed List of Sales and Redemption of Investments Detailed List of Investments Owned

## FUND OBJECTIVES

1. The intent of the Public Safety Personnel Retirement System, the Elected Official's Retirement Plan and the Corrections Officer Retirement Plan (herein after referred to as the Plan) is to provide the Plan participants benefits as defined in Title 38, chapter 5, articles 3, 4 and 6 of the Arizona Revised Statutes.
2. The Fund Manager and the Administrator will discharge their duties with respect to the Plan solely in the interest of the Plan participants, beneficiaries and employer sponsors. In making every investment, the Fund Manager shall exercise the judgment and care under the circumstances then prevailing which men of ordinary prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation but in regard to the permanent disposition of their funds, considering the probable income from their funds as well as the probable safety of their capital, provided these investments are made in conformity with all applicable laws.
3. The intention of the Plan is to maintain the benefit level as stated in Title 38, chapter 5, articles 3,4 and 6 of the Arizona Revised Statutes and as amended from time to time by the Arizona State Legislature. In order to maintain this benefit level the Plan will annually adjust the employer contribution rate based on the recommendations made by the annual actuarial valuations. The Plan's funding goal is for the Plan assets to be equal to Plan liabilities within any twenty-year period.
4. It is the intent of the Plan to level off or reduce the employer contribution rate to the Plan as well as to provide the opportunity for increased benefits for retirees as the legislature may from time to time enact, through the systematic growth of the investments of the fund.
5. The primary objective of the investment program of the Plan is a reasonable, long-range total rate of return. Inherent in this goal is the preservation and enhancement of capital through effective management of the portfolio in order to take advantage of attractive opportunities various market sectors have to offer.

Adopted this $17^{\text {th }}$ day of June, 1998, by the Fund Manager.


Added 11-57-92
Revised 11-55-97
Revised 06-45-98

## Kenneth A. Shea

Managing Director
Director of Equity Research

# Standard \& Poor's 

A Division of The McGraw-Hill Companies

August 19, 2002

The Fund Manager<br>Corrections Officer Retirement Plan<br>of the State of Arizona<br>1020 East Missouri Avenue<br>Phoenix, Arizona 85014

Dear Sirs:
The attached charts and tables depict the investment performance for the Corrections Officer Retirement Plan of the State of Arizona. The performance results shown are based entirely on data provided by the plan's staff and does not constitute an audit on Standard \& Poor's part. We note that Standard \& Poor's has assumed that all data that has been supplied by the staff is accurate and complete and that Standard \& Poor's has not taken steps to verify same. We also note that the performance was calculated under the assumption that cash inflows and outflows take place uniformly throughout each month.

The performance data include realized and unrealized capital gains and losses, as well as interest and dividend income earned by the fund. We believe these computations were performed in accordance with accepted AIMR procedures.

Based on the foregoing, during the past fiscal year, the stock portfolio underperformed the NYSE and S\&P 500 indices, while the bond portfolio underperformed the Lehman Government/Credit Index. The overall fund underperformed a custom benchmark, using bond and stock indices weighted in a fixed proportion. The overall fund has attained a rate of return over the past fifteen years (since inception) that compares favorably with this custom index.

Sincerely,

## Kenneth Shea/sig

Kenneth Shea
Managing Director-Global Equity Research

## Investment Performance Data <br> Cumulative Return - Total Fund <br> Corrections Officer Retirement Plan



| FYE |  | Fair Value |  | ontribution | Total Return | Balanced Index* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 06-30-02 | \$ | 582,690,201 | \$ | 3,569,034 | -14.73\% | -4.50\% |
| 06-30-01 | \$ | 679,572,838 | \$ | 15,092,575 | -17.07\% | -1.40\% |
| 06-30-00 | \$ | 803,140,980 | \$ | 20,812,944 | 13.22\% | 6.02\% |
| 06-30-99 | \$ | 689,508,750 | \$ | 19,793,597 | 17.60\% | 12.23\% |
| 06-30-98 | \$ | 567,501,186 | \$ | 22,020,935 | 21.68\% | 17.66\% |
| 06-30-97 | \$ | 446,443,126 | \$ | 21,510,046 | 22.74\% | 17.87\% |
| 06-30-96 | \$ | 344,052,534 | \$ | 17,224,177 | 15.30\% | 13.98\% |
| 06-30-95 | \$ | 282,566,544 | \$ | 13,323,271 | 17.11\% | 16.30\% |
| 06-30-94 | , | 228,725,251 | \$ | 12,344,638 | -0.70\% | 0.25\% |
| 06-30-93 | \$ | 218,076,361 | \$ | 14,234,677 | 8.79\% | 12.26\% |
| 06-30-92 | \$ | 186,696,553 | \$ | 14,047,050 | 15.67\% | 12.12\% |
| 06-30-91 | \$ | 148,567,837 | \$ | 18,448,295 | 13.23\% | 8.32\% |
| 06-30-90 | \$ | 113,343,482 | \$ | 12,540,673 | 11.24\% | 9.21\% |
| 06-30-89 | \$ | 90,034,663 | \$ | 11,245,876 | 15.21\% | 13.98\% |
| 06-30-88 | \$ | 67,462,178 | \$ | 17,014,108 | 3.40\% | 1.19\% |
| 06-30-87 | \$ | 48,123,723 |  |  |  |  |
| Annualized Returns |  |  | 5-year 10-year 15-year |  | 2.76\% | 5.68\% |
|  |  |  | 7.45\% | 8.77\% |
|  |  |  | 8.83\% | 8.81\% |

*The Balanced Index is calculated using the following formula: $45 \%$ Stock Benchmark $+45 \%$ Lehman Government/Credit + 10\% 91 Day T-bill.

Our investment universe is the New York Stock Exchange (NYSE) prior to July 21, 1997. Prior to FYE June 30, 1998, the Fund's stock benchmark was the NYSE Composite. S\&P 500 is the stock benchmark for each FYE thereafter. The Lehman Government/Credit bond index includes more than 5,000 publicly traded bond issues of $\$ 25$ million or more rated Baa or better for a total market value of more than $\$ 2$ trillion.

Prior to 1990, the weightings in each asset class were calculated using the fiscal year-end market values. Since 1990, the asset class weightings have been calculated using the average weightings of the quarter's beginning and ending market values.

Investment Performance Data
Cumulative Return - Domestic Equities
Corrections Officer Retirement Plan


| FYE |  | Fair Value |  | ontribution | Total Return | Stock* Benchmark | NYSE Index | $\begin{aligned} & \hline \text { S\&P } \\ & 500 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 06-30-02 | \$ | 341,648,828 | \$ | 5,214,130 | -26.10\% | -17.99\% | -12.80\% | -17.99\% |
| 06-30-01 | \$ | 455,399,449 | \$ | $(12,369,993)$ | -25.59\% | -14.83\% | -1.77\% | -14.83\% |
| 06-30-00 | \$ | 626,591,339 | \$ | 28,405,378 | 16.94\% | 7.25\% | 0.84\% | 7.25\% |
| 06-30-99 | \$ | 509,408,904 | \$ | 17,401,223 | 23.69\% | 22.76\% | 13.86\% | 22.76\% |
| 06-30-98 | \$ | 393,669,809 | \$ | 33,176,239 | 27.37\% | 27.29\% | 27.29\% | 30.16\% |
| 06-30-97 | \$ | 282,295,331 | \$ | 24,635,056 | 31.78\% | 31.51\% | 31.51\% | 34.71\% |
| 06-30-96 | \$ | 192,410,171 | \$ | 19,911,538 | 23.35\% | 25.91\% | 25.91\% | 26.00\% |
| 06-30-95 | \$ | 136,792,031 | \$ | $(8,954,375)$ | 22.83\% | 22.40\% | 22.40\% | 26.06\% |
| 06-30-94 | \$ | 120,009,219 | \$ | 9,254,903 | -1.14\% | 1.24\% | 1.24\% | 1.23\% |
| 06-30-93 | \$ | 112,232,875 | \$ | 35,940,119 | 7.38\% | 13.32\% | 13.32\% | 13.52\% |
| 06-30-92 | \$ | 88,979,250 | \$ | 19,472,103 | 17.42\% | 11.59\% | 11.59\% | 13.45\% |
| 06-30-91 | \$ | 58,385,625 | \$ | 13,099,368 | 16.47\% | 5.50\% | 5.50\% | 7.39\% |
| 06-30-90 | \$ | 38,044,750 | \$ | 12,336,990 | 18.39\% | 11.25\% | 11.25\% | 16.44\% |
| 06-30-89 | \$ | 21,228,125 | \$ | $(430,650)$ | 21.75\% | 16.81\% | 16.81\% | 20.53\% |
| 06-30-88 | \$ | 17,925,000 | \$ | 4,678,349 | -7.46\% | -8.57\% | -8.57\% | -6.92\% |
| 06-30-87 | \$ | 14,739,500 |  |  |  |  |  |  |
| Annualized Returns |  |  | 5-year |  | 0.26\% | 3.20\% | 4.59\% | 3.66\% |
|  |  |  | 10 -year15 -year |  | 7.94\% | 10.53\% | 11.28\% | 11.40\% |
|  |  |  | 9.53\% | 9.32\% | 9.81\% | 10.84\% |

*Our investment universe is the New York Stock Exchange (NYSE) prior to July 21, 1997. Prior to FYE June 30, 1998, the Fund's stock benchmark was the NYSE Composite. S\&P 500 is the stock benchmark for each FYE thereafter.
Prior to 1990, the weightings in each asset class were calculated using the fiscal year-end market values. Since 1990, the asset class weightings have been calculated using the average weightings of the quarter's beginning and ending market values.

> | Investment Performance Data |
| :--- |
| Cumulative Return - Fixed Income |
| Corrections Officer Retirement Plan |



| Fair |  |  |  |  | Total |  | $\begin{gathered} \text { 91-Day } \\ \text { T-Bill } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 06-30-02 | \$ | 241,041,374 | \$ | $(1,645,095)$ | 8.10\% | 8.24\% | 2.57\% |
| 06-30-01 | \$ | 224,173,388 | \$ | 27,462,568 | 10.78\% | 11.14\% | 5.89\% |
| 06-30-00 | \$ | 176,549,641 | \$ | $(7,592,434)$ | 2.28\% | 4.29\% | 5.53\% |
| 06-30-99 | \$ | 180,099,846 | \$ | 2,392,374 | 2.25\% | 2.69\% | 4.90\% |
| 06-30-98 | \$ | 173,831,382 | \$ | $(11,155,304)$ | 12.30\% | 11.08\% | 5.28\% |
| 06-30-97 | \$ | 164,147,795 | \$ | $(3,125,010)$ | 10.32\% | 7.76\% | 5.43\% |
| 06-30-96 | \$ | 151,642,363 | \$ | $(2,687,361)$ | 6.26\% | 4.65\% | 5.52\% |
| 06-30-95 | \$ | 145,774,513 | \$ | 22,277,646 | 11.71\% | 12.75\% | 5.52\% |
| 06-30-94 | \$ | 108,716,032 | \$ | 3,089,735 | -0.21\% | -1.45\% | 3.37\% |
| 06-30-93 | \$ | 105,843,386 | \$ | $(7,458,392)$ | 10.45\% | 13.15\% | 3.37\% |
| 06-30-92 | \$ | 97,717,303 | \$ | $(5,425,053)$ | 14.54\% | 14.17\% | 5.19\% |
| 06-30-91 | \$ | 90,182,212 | \$ | $(5,348,927)$ | 11.55\% | 10.21\% | 7.55\% |
| 06-30-90 | \$ | 75,298,732 | \$ | 203,683 | 9.01\% | 7.11\% | 8.50\% |
| 06-30-89 | \$ | 68,806,538 | \$ | 11,676,526 | 13.18\% | 12.33\% | 8.47\% |
| 06-30-88 | \$ | 49,537,189 | \$ | 12,335,759 | 9.18\% | 7.47\% | 6.75\% |
| 06-30-87 | \$ | 33,384,223 |  |  |  |  |  |
| Annualized Returns |  |  | 5-year |  | 7.06\% | 7.43\% | 4.83\% |
|  |  |  | 10-year 15-year |  | 7.34\% | 7.33\% | 4.73\% |
|  |  |  | 8.70\% | 8.29\% | 5.58\% |

*The Lehman Government/Credit bond index includes more than 5,000 publicly traded bond issues of $\$ 25$ million or more rated Baa or better for a total market value of more than $\$ 2$ trillion.
Prior to 1990 the weightings in each asset class were calculated using the fiscal year-end market values. Since 1990, the asset class weightings have been calculated using the average weightings of the quarter's beginning and ending market values.
Our Fixed Income is comprised of all Bonds, Notes, Other Investments and Money Market securities.

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
SUPPORTING SCHEDULE OF COMMISSIONS PAID TO BROKERS
FISCAL YEAR ENDED JUNE 30, 2002

| Broker | Number of Shares <br> Traded | Average <br> Commission | Commissions |  |
| :--- | ---: | :---: | ---: | ---: |
| Dain Rauscher | 289,000 | 0.050 | $\$$ | $14,450.00$ |
| Greenberg Financial Group | 52,000 | 0.050 | $\$$ | $2,600.00$ |
| Investors Capital Corporation | 38,500 | 0.050 | $\$$ | $1,925.00$ |
| ISI Group, Inc. | 263,000 | 0.050 | $\$$ | $13,150.00$ |
| Merrill Lynch | 465,580 | 0.022 | $\$$ | $10,300.00$ |
| Morgan Stanley Dean Witter | 229,000 | 0.050 | $\$$ | $11,450.00$ |
| Pin Oak Partners, Inc. | 101,000 | 0.050 | $\$$ | $5,050.00$ |
| Salomon Smith Barney--Phoenix | 409,200 | 0.017 | $\$ 7,110.00$ |  |
| Salomon Smith Barney--Scottsdale | 338,483 | 0.027 | $\$$ | $9,274.15$ |
| Standard \& Poor's Securities | 609,000 | 0.050 | $\$$ | $30,450.00$ |
| U. S. Securities and Futures | 526,000 | 0.050 | $\$$ | $26,300.00$ |
| UBS/Paine Webber | 422,096 | 0.030 | $\$$ | $12,604.80$ |
| Wells Fargo /Van Kasper | 594,000 | 0.050 | $\$$ | $29,700.00$ |
| Total Commissions | $\mathbf{4 , 3 3 6 , 8 5 9}$ | $\mathbf{0 . 0 4 0}$ | $\mathbf{1 7 4 , 3 6 3 . 9 5}$ |  |

The Plan typically pays $\$ .05$ per share traded plus SEC charges on sale transactions. Over the Counter stocks are typically traded net of commissions. The firms with an average commission of less than $\$ .05$ have traded Over the Counter net of commissions for the Plan.

## STATE OF ARIZONA

CORRECTIONS OFFICER RETIREMENT PLAN SUMMARY OF CHANGES IN INVESTMENT PORTFOLIO FOR THE FISCAL YEAR ENDED JUNE 30, 2002

| Description | Percent at Fair Value | Balance June 30, 2001 |  | Acquisitions | Maturities and Sales | (Premium) Discount | Balance June 30, 2002 |  | Percent at Fair Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fair Value | Book Value |  |  |  | Fair Value | Book Value |  |
| U.S. Treasury Obligations | 2.3\% | 15,428,720.00 | 12,977,273.45 | - | 2,001,965.82 | $(6,629.21)$ | 13,645,950.00 | 10,968,678.42 | 2.3\% |
| Federal Agency Obligations | 11.3\% | 76,723,558.51 | 74,497,699.09 | 12,955,312.50 | 20,769,726.90 | - | 70,121,863.61 | 66,683,284.69 | 12.0\% |
| Total U.S. Government Securities | 13.6\% | 92,152,278.51 | 87,474,972.54 | 12,955,312.50 | 22,771,692.72 | $(6,629.21)$ | 83,767,813.61 | 77,651,963.11 | 14.3\% |
| Corporate Bonds | 13.2\% | 89,401,198.47 | 94,381,333.96 | 27,652,322.11 | 13,339,781.09 | $(49,210.01)$ | 103,402,524.81 | 108,644,664.97 | 17.7\% |
| Total Bond Portfolio | 26.8\% | 181,553,476.98 | 181,856,306.50 | 40,607,634.61 | 36,111,473.81 | $(55,839.22)$ | 187,170,338.42 | 186,296,628.08 | 32.0\% |
| Corporate Notes | 2.4\% | 17,000,408.49 | 17,000,408.49 | 2,255,216,835.99 | 2,242,731,375.38 | - | 29,485,869.10 | 29,485,869.10 | 5.1\% |
| Common Stock | 67.0\% | 455,399,449.26 | 403,522,264.96 | 73,421,345.74 | 73,887,742.02 | - | 341,648,827.89 | 403,055,868.68 | 58.6\% |
| Other Investments | 3.5\% | 23,815,000.17 | 23,815,000.17 | 3,758,144.96 | 4,756,455.12 | - | 22,816,690.01 | 22,816,690.01 | 3.9\% |
| Money Market Account | 0.3\% | 1,804,502.67 | 1,804,502.67 | - | 236,026.70 | - | 1,568,475.97 | 1,568,475.97 | 0.4\% |
| Total Portfolio | 100.0\% | 679,572,837.57 | 627,998,482.79 | 2,373,003,961.30 | 2,357,723,073.03 | $(55,839.22)$ | 582,690,201.39 | 643,223,531.84 | 100.0\% |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN INVESTMENTS ACQUIRED
JULY 1, 2001 THROUGH JUNE 30, 2002
BONDS ACQUIRED

| Security | Coupon | Maturity | Purchase Price | Par Value | Principal | (Premium) Discount | Accrued Interest | Total Amount | Book Yield |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEDERAL AGENCY OBLIGATIONS |  |  |  |  |  |  |  |  |  |
| GNMA Pool \#552514 | 6.500 | 4/15/2032 | 99.65625 | 13,000,000.00 | 12,955,312.50 | 44,687.50 | 39,902.78 | 12,995,215.28 | 6.52\% |
| TOTAL FEDERAL AGENCY OBLIGA | NS |  |  | 13,000,000.00 | 12,955,312.50 | 44,687.50 | 39,902.78 | 12,995,215.28 | 6.52\% |
| CORPORATE BONDS |  |  |  |  |  |  |  |  |  |
| AT\&T CORPORATES | 6.500 | 3/15/2029 | 86.76000 | 1,000,000.00 | 867,600.00 | 132,400.00 | 28,708.33 | 896,308.33 | 7.49\% |
| DELTA AIRLINES SERIES 01-1B | 7.711 | 9/18/2011 | 99.47900 | 2,000,000.00 | 1,989,580.00 | 10,420.00 | 4,712.28 | 1,994,292.28 | 7.75\% |
| FORD HOLDINGS INC | 9.375 | 3/1/2020 | 112.48500 | 1,000,000.00 | 1,124,850.00 | (124,850.00) | 21,093.75 | 1,145,943.75 | 8.33\% |
| FORD MOTOR COMPANY | 7.450 | 7/16/2031 | 91.86000 | 1,000,000.00 | 918,600.00 | 81,400.00 | 36,215.28 | 954,815.28 | 8.11\% |
| FORD MOTOR CREDIT | 7.250 | 10/25/2011 | 101.76200 | 1,000,000.00 | 1,017,620.00 | $(17,620.00)$ | 9,868.06 | 1,027,488.06 | 7.12\% |
| LIBERTY MUTUAL INSURANCE | 7.875 | 10/15/2026 | 94.09000 | 2,430,000.00 | 2,286,387.00 | 143,613.00 | 72,292.50 | 2,358,679.50 | 8.37\% |
| NATIONAL RURAL UTILITIES | 8.000 | 3/1/2032 | 101.04500 | 3,000,000.00 | 3,031,350.00 | (31,350.00) | - | 3,031,350.00 | 7.92\% |
| NORTHWEST AIRLINES | 7.935 | 4/1/2019 | 109.25000 | 2,782,520.01 | 3,039,903.11 | (257,383.10) | 47,838.48 | 3,087,741.59 | 7.26\% |
| ROYAL \& SUN ALLIANCE INSURANCE | 8.950 | 10/15/2029 | 109.54000 | 2,000,000.00 | 2,190,800.00 | $(190,800.00)$ | 71,102.78 | 2,261,902.78 | 8.17\% |
| STANDARD CHARTERED BANK | 8.000 | 5/30/2031 | 104.94867 | 3,000,000.00 | 3,148,460.00 | (148,460.00) | 41,555.56 | 3,190,015.56 | 7.62\% |
| UNION CARBIDE CORP | 7.875 | 4/1/2023 | 96.66500 | 2,000,000.00 | 1,933,300.00 | 66,700.00 | 20,125.00 | 1,953,425.00 | 8.15\% |
| WORLDCOM INC. | 8.250 | 5/15/2031 | 102.16240 | 3,000,000.00 | 3,064,872.00 | (64,872.00) | 55,687.50 | 3,120,559.50 | 8.08\% |
| ZURICH CAPITAL TRUST 1 | 8.376 | 6/1/2037 | 101.30000 | 3,000,000.00 | 3,039,000.00 | $(39,000.00)$ | 70,498.00 | 3,109,498.00 | 8.27\% |
| TOTAL CORPORATE BONDS |  |  |  | 27,212,520.01 | 27,652,322.11 | $(439,802.10)$ | 479,697.52 | 28,132,019.63 | 7.91\% |
| TOTAL BONDS ACQUIRED |  |  |  | 40,212,520.01 | 40,607,634.61 | $(395,114.60)$ | 519,600.30 | 41,127,234.91 | 7.47\% |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS ACQUIRED
JULY 1, 2001 THROUGH JUNE 30, 2002
SHORT TERM INVESTMENTS MATURED
Page 1 of 3

| Description | Cost | Amount of Interest | Maturity Value |
| :---: | :---: | :---: | :---: |
| AEGON FUNDING CORP | 7,796,076.70 | 3,923.30 | 7,800,000.00 |
| AIR LIQUIDE US | 2,998,261.11 | 1,738.89 | 3,000,000.00 |
| ALLMERICA FINANCIAL CORP | 1,998,802.22 | 1,197.78 | 2,000,000.00 |
| ALLSTATE CORPORATION | 6,996,034.72 | 3,965.28 | 7,000,000.00 |
| AMGEN INC | 3,997,501.11 | 2,498.89 | 4,000,000.00 |
| AMSTEL FUNDING | 1,999,540.00 | 460.00 | 2,000,000.00 |
| AMSTERDAM FUNDING CORP | 36,237,705.55 | 12,294.45 | 36,250,000.00 |
| ASSET ONE SECURITIZATION | 20,988,928.40 | 11,071.60 | 21,000,000.00 |
| ASSET PORTFOLIO FUNDING | 1,999,791.67 | 208.33 | 2,000,000.00 |
| ASSET SECURT. COOPERATIVE | 3,998,037.22 | 1,962.78 | 4,000,000.00 |
| ATLANTIS ONE FUNDING | 5,998,416.11 | 1,583.89 | 6,000,000.00 |
| AUTOBAHN FUNDING CORP | 190,406,809.80 | 54,190.20 | 190,461,000.00 |
| BANK OF IRELAND | 4,498,486.25 | 1,513.75 | 4,500,000.00 |
| BANNER HEALTH SYSTEMS | 1,999,311.11 | 688.89 | 2,000,000.00 |
| BARTON CAPITAL CORP | 15,491,505.70 | 8,494.30 | 15,500,000.00 |
| BAVARIA FINANCE FUNDING | 19,980,988.88 | 19,011.12 | 20,000,000.00 |
| BBL NORTH AMERICA FUNDING | 1,998,522.22 | 1,477.78 | 2,000,000.00 |
| BEETHOVEN FUNDING CORPORATION | 48,281,933.14 | 18,066.86 | 48,300,000.00 |
| BELFORD FUNDING COMPANY LLC | 1,999,278.33 | 721.67 | 2,000,000.00 |
| BROADWAY CAPITAL | 9,007,071.91 | 4,928.09 | 9,012,000.00 |
| BRYANT PARK FUNDING LLC | 8,497,874.16 | 2,125.84 | 8,500,000.00 |
| CARGILL GLOBAL FUNDING PLC | 1,999,385.00 | 615.00 | 2,000,000.00 |
| CARGILL INC | 10,497,302.09 | 2,697.91 | 10,500,000.00 |
| CATERPILLAR FINANCIAL SERVICES | 1,999,792.78 | 207.22 | 2,000,000.00 |
| CATHOLIC HEALTHCARE PARTNERS | 3,697,410.00 | 2,590.00 | 3,700,000.00 |
| CDC COMMERCIAL PAPER PROGRAM | 23,995,583.34 | 4,416.66 | 24,000,000.00 |
| CHECK POINT CHARLIE INC | 16,898,406.84 | 1,593.16 | 16,900,000.00 |
| CINTAS CORPORATION NO. 2 | 1,998,208.89 | 1,791.11 | 2,000,000.00 |
| CLIPPER RECEIVABLES | 20,994,252.78 | 5,747.22 | 21,000,000.00 |
| COCA COLA COMPANY | 3,997,066.67 | 2,933.33 | 4,000,000.00 |
| COMPUTER SCIENCE CORP | 3,998,075.00 | 1,925.00 | 4,000,000.00 |
| CONCORD MINUTEMAN CAPITAL | 15,792,439.51 | 7,560.49 | 15,800,000.00 |
| COOPERATIVE ASSN OF TRACTOR DEALERS | 72,228,863.34 | 21,136.66 | 72,250,000.00 |
| COUNTRYWIDE HOME LOANS | 4,748,575.00 | 1,425.00 | 4,750,000.00 |
| CROWN POINT CAPITAL | 19,840,853.85 | 9,146.15 | 19,850,000.00 |
| CVS CORPORATION | 4,998,746.67 | 1,253.33 | 5,000,000.00 |
| CXC INC | 1,999,423.33 | 576.67 | 2,000,000.00 |
| DAKOTA NOTES | 6,998,631.67 | 1,368.33 | 7,000,000.00 |
| DEALERS CAPITAL ACCEPTANCE | 9,847,643.02 | 2,356.98 | 9,850,000.00 |
| DEALERS CAPITAL ACCESS TRUST INC. | 68,979,605.57 | 20,394.43 | 69,000,000.00 |
| DELAWARE FUNDING CORP | 3,997,036.67 | 2,963.33 | 4,000,000.00 |
| DOW CHEMICAL COMPANY | 9,998,550.54 | 1,449.46 | 10,000,000.00 |
| DUKE ENERGY CORP | 5,998,092.78 | 1,907.22 | 6,000,000.00 |
| EAGLE FUNDING CAPITAL | 51,478,207.91 | 27,792.09 | 51,506,000.00 |
| EDISON ASSET SECURITIZATION | 5,994,861.67 | 5,138.33 | 6,000,000.00 |
| EMINENT FUNDING | 37,082,655.29 | 17,344.71 | 37,100,000.00 |
| ENTERPRISE FUNDING CORPORATION | 1,999,576.67 | 423.33 | 2,000,000.00 |
| ERASMUS CAPITAL CORP | 3,997,079.45 | 2,920.55 | 4,000,000.00 |
| ESTEE LAUDER COMPANIES | 1,999,608.89 | 391.11 | 2,000,000.00 |
| EW SCRIPPS COMPANY | 1,499,843.75 | 156.25 | 1,500,000.00 |
| EXXON PROJECT | 9,492,080.00 | 7,920.00 | 9,500,000.00 |
| EXXON PROJECT INVESTMENT | 5,999,308.33 | 691.67 | 6,000,000.00 |

## STATE OF ARIZONA

CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS ACQUIRED
JULY 1, 2001 THROUGH JUNE 30, 2002
SHORT TERM INVESTMENTS MATURED
Page 2 of 3

| Description | Cost | Amount of Interest | Maturity Value |
| :---: | :---: | :---: | :---: |
| FALCON ASSET SECURITIZATION | 7,998,069.45 | 1,930.55 | 8,000,000.00 |
| FLORIDA POWER AND LIGHT | 1,999,166.67 | 833.33 | 2,000,000.00 |
| FORD MOTOR CREDIT CO | 1,998,750.00 | 1,250.00 | 2,000,000.00 |
| FORRESTAL FUNDING MASTER TRUST | 4,998,970.83 | 1,029.17 | 5,000,000.00 |
| FORTIS FUNDING | 1,999,319.44 | 680.56 | 2,000,000.00 |
| FOUR WINDS FUNDING CORP | 35,995,912.52 | 4,087.48 | 36,000,000.00 |
| FPL FUELS, INC. | 6,995,742.22 | 4,257.78 | 7,000,000.00 |
| GALLEON CAPITAL | 125,633,068.93 | 16,931.07 | 125,650,000.00 |
| GE CAPITAL CORP | 15,090,921.06 | 9,078.94 | 15,100,000.00 |
| GENERAL ELECTRIC COMPANY | 2,998,710.00 | 1,290.00 | 3,000,000.00 |
| GENERAL MOTORS CORPORATION | 1,998,346.67 | 1,653.33 | 2,000,000.00 |
| GIRO FUNDING (US) | 13,497,062.22 | 2,937.78 | 13,500,000.00 |
| GIRO MULTI-FUNDING US CORP | 2,997,485.56 | 2,514.44 | 3,000,000.00 |
| GOTHAM FUNDING | 3,697,908.47 | 2,091.53 | 3,700,000.00 |
| GRAND FUNDING CORP | 3,998,860.56 | 1,139.44 | 4,000,000.00 |
| HALOGEN CAPITAL COMPANY | 10,995,587.78 | 4,412.22 | 11,000,000.00 |
| HANNOVER FUNDING | 48,597,830.61 | 6,169.39 | 48,604,000.00 |
| HERTZ CORPORATION | 3,997,738.89 | 2,261.11 | 4,000,000.00 |
| HOLDENBY CAPITAL COMPANY LLC | 16,498,108.47 | 1,891.53 | 16,500,000.00 |
| HOLLAND LIMITED SECURITZATION | 81,959,769.18 | 40,230.82 | 82,000,000.00 |
| IBM CORPORATION | 1,999,505.00 | 495.00 | 2,000,000.00 |
| IBM CREDIT CORPORATION | 1,499,243.75 | 756.25 | 1,500,000.00 |
| INDIANA GAS COMPANY | 4,498,657.78 | 1,342.22 | 4,500,000.00 |
| INTERNATIONAL LEASE FINANCE | 1,998,203.33 | 1,796.67 | 2,000,000.00 |
| INTREPID FUNDING | 1,999,023.89 | 976.11 | 2,000,000.00 |
| JMG FUNDING LP | 1,499,765.00 | 235.00 | 1,500,000.00 |
| JOHN HANCOCK FINANCIAL SERVICES INC | 1,999,444.44 | 555.56 | 2,000,000.00 |
| K2 (USA) LLC | 1,999,905.56 | 94.44 | 2,000,000.00 |
| KITTY HAWK FUNDING CORP | 12,494,643.19 | 5,356.81 | 12,500,000.00 |
| LEXINGTON PARKER CAPITAL CORP | 11,493,368.89 | 6,631.11 | 11,500,000.00 |
| LIBERTY STREET FUNDING | 25,994,912.78 | 5,087.22 | 26,000,000.00 |
| LONG LANE MASTER TRUST | 15,488,063.06 | 11,936.94 | 15,500,000.00 |
| MANHATTAN ASSET | 4,492,759.30 | 7,240.70 | 4,500,000.00 |
| MARKET STREET FUNDING | 30,987,289.73 | 12,710.27 | 31,000,000.00 |
| MARSH \& MCLENNAN | 10,493,595.28 | 6,404.72 | 10,500,000.00 |
| MAXIMILIAN CAPITAL CORP | 1,999,586.67 | 413.33 | 2,000,000.00 |
| MDU RESOURCES GROUP INC | 1,998,328.89 | 1,671.11 | 2,000,000.00 |
| MEDTRONIC | 6,298,458.78 | 1,541.22 | 6,300,000.00 |
| MIDAMERICAN ENERGY CO | 2,999,087.78 | 912.22 | 3,000,000.00 |
| MOAT FUNDING | 11,895,020.11 | 4,979.89 | 11,900,000.00 |
| MONTAUK FUNDING CORP | 17,591,319.56 | 8,680.44 | 17,600,000.00 |
| NCI FUNDING, INC | 3,999,300.00 | 700.00 | 4,000,000.00 |
| NEPTUNE FUNDING | 40,376,704.50 | 23,295.50 | 40,400,000.00 |
| NESS LLC | 10,995,638.48 | 4,361.52 | 11,000,000.00 |
| NESTLE CAPITAL CORP | 5,999,140.00 | 860.00 | 6,000,000.00 |
| NEW JERSEY NATURAL GAS | 1,999,327.22 | 672.78 | 2,000,000.00 |
| OLD LINE FUNDING | 11,095,146.40 | 4,853.60 | 11,100,000.00 |
| ORANGE \& ROCKLAND UTILITY | 1,999,375.00 | 625.00 | 2,000,000.00 |
| PARADIGM FUNDING | 20,441,758.32 | 8,241.68 | 20,450,000.00 |
| PEOPLES ENERGY CORPORATION | 1,999,803.89 | 196.11 | 2,000,000.00 |
| PREFERRED RECEIVABLES FUNDING CORP | 9,095,265.67 | 4,734.33 | 9,100,000.00 |
| QUESTAR CORP | 5,995,091.66 | 4,908.34 | 6,000,000.00 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN INVESTMENTS ACQUIRED
JULY 1, 2001 THROUGH JUNE 30, 2002
SHORT TERM INVESTMENTS MATURED
Page 3 of 3

|  |  | Amount of | Maturity |
| :--- | ---: | ---: | ---: |
| Description | Cost | Interest |  |
| QUINCY CAPITAL CORPORATION | $1,999,311.11$ | 688.89 | $2,000,000.00$ |
| REGENCY MARKETS NO. 1 | $22,485,739.72$ | $14,260.28$ | $22,500,000.00$ |
| REVOLVING COMMITMENT VEHICLE | $3,995,623.34$ | $4,376.66$ | $4,000,000.00$ |
| SIGMA FINANCE | $3,999,579.45$ | 420.55 | $2,000,000.00$ |
| SOUTHERN COMPANY FUNDING CORP | $7,996,941.11$ | $3,058.89$ | $8,000,000.00$ |
| SPECIAL PURPOSE ACCTS. REC. | $8,691,551.67$ | $8,448.33$ | $8,700,000.00$ |
| STARBIRD FUNDING CORPORATION | $65,476,196.83$ | $23,803.17$ | $65,500,000.00$ |
| STEAMBOAT FUNDING | $29,985,799.17$ | $14,200.83$ | $30,000,000.00$ |
| SUNBELT FUNDING CORP | $68,228,757.25$ | $29,242.75$ | $68,258,000.00$ |
| SUNFLOWERS FUNDING CO | $21,495,578.61$ | $4,421.39$ | $21,500,000.00$ |
| SUPERIOR FUNDING CAPITAL CORP | $3,998,563.34$ | $1,436.66$ | $4,000,000.00$ |
| SVENSKA HANDELSBANKEN INC | $1,999,497.22$ | 502.78 | $2,000,000.00$ |
| SWEDBANK | $5,998,651.11$ | $1,348.89$ | $6,000,000.00$ |
| SYDNEY CAPITAL CORP | $7,993,418.89$ | $6,581.11$ | $8,000,000.00$ |
| TEXTRON INC | $1,998,675.56$ | $1,324.44$ | $2,000,000.00$ |
| THAMES ASSET GLOBAL SECURITIZATION | $6,495,605.14$ | $4,394.86$ | $6,500,000.00$ |
| THREE CROWNS FUNDING | $191,601,803.68$ | $48,196.32$ | $191,650,000.00$ |
| THUNDER BAY FUNDING | $29,491,100.84$ | $8,899.16$ | $29,500,000.00$ |
| TOTAL FINA ELF SA | $2,998,853.33$ | $1,146.67$ | $3,000,000.00$ |
| TRANSAMERICA ASSET FUNDING | $29,242,233.06$ | $7,766.94$ | $29,250,000.00$ |
| TRIDENT CAPITAL FINANCE | $2,997,666.67$ | $2,333.33$ | $3,000,000.00$ |
| TRIPLE A-1 FUNDING | $24,489,471.41$ | $10,528.59$ | $24,500,000.00$ |
| UBN DELAWARE INC | $1,998,972.22$ | $1,027.78$ | $2,000,000.00$ |
| UBS AMERICAS INC | $56,742,107.44$ | $7,892.56$ | $56,750,000.00$ |
| UBS FINANCE (DELAWARE) | $18,997,906.68$ | $2,093.32$ | $19,000,000.00$ |
| UNITED AIR FUNDING | $1,998,950.00$ | $1,050.00$ | $2,000,000.00$ |
| UNITED TECH CORP | $7,496,479.72$ | $3,520.28$ | $7,500,000.00$ |
| US CENTRAL CREDIT UNION | $1,998,606.67$ | $1,393.33$ | $2,000,000.00$ |
| USAA CAPITAL CORP | $1,999,522.22$ | 477.78 | $2,000,000.00$ |
| VECTREN UTILITY HOLDING CORP | $7,999,316.67$ | 683.33 | $8,000,000.00$ |
| VISTAONE METAFOLIO LLC | $22,990,088.05$ | $9,911.95$ | $23,000,000.00$ |
| WASHINGTON GAS LIGHT COMPANY | $999,378.33$ | 621.67 | $1,000,000.00$ |
| WELLS FARGO \& COMPANY | $16,988,972.23$ | $11,027.77$ | $17,000,000.00$ |
| WGL HOLDINGS | $14,496,986.95$ | $3,013.05$ | $14,500,000.00$ |
| WINDMILL FUNDING CORPORATION | $15,987,765.56$ | $12,234.44$ | $16,000,000.00$ |
| WISCONSIN ELECTRIC FUEL TRUST | $1,999,327.22$ | 672.78 | $2,000,000.00$ |
| WISCONSIN PUBLIC SERVICE | $1,998,382.22$ | $1,617.78$ | $2,000,000.00$ |
| WORLD OMNI VEHICLE LEASING | $10,996,304.31$ | $3,695.69$ | $11,000,000.00$ |
| WPS RESOURCES CORP | 416.67 | $1,500,000.00$ |  |
|  | $809,624.62$ | $2,241,541,000.00$ |  |
|  |  |  | $0,583.33$ |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS ACQUIRED
JULY 1, 2001 THROUGH JUNE 30, 2002
COMMON STOCK ACQUIRED

| Company | No. Shares | Dividend Rate | Annual Income | Book Yield | Average Cost | Book Cost |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ALBERTO CULVER CO | 32,000 | 0.36 | 11,520.00 | 0.66\% | 54.32 | 1,738,172.71 |
| AMERICAN STANDARD COMPANY INC | 24,000 | 0.00 | - | 0.00\% | 76.56 | 1,837,451.75 |
| BELLSOUTH CORPORATION | 63,000 | 0.19 | 11,970.00 | 0.47\% | 40.11 | 2,527,123.70 |
| BROADWING INC. | 43,000 | 0.00 | - | 0.00\% | 21.42 | 920,860.55 |
| CANADIAN NATIONAL RAILWAY | 54,000 | 0.55 | 29,700.00 | 1.17\% | 47.15 | 2,546,230.04 |
| CHEVRON CORPORATION | 31,000 | 2.80 | 86,800.00 | 3.35\% | 83.70 | 2,594,661.20 |
| CHOICEPOINT INCORPORATED | 62,000 | 0.00 | - | 0.00\% | 52.02 | 3,225,282.80 |
| DAL-TILE INTERNATIONAL | 33,000 | 0.00 | - | 0.00\% | 17.30 | 570,852.36 |
| ELECTRONICS BOUTIQUE HOLDINGS CORP. | 86,000 | 0.00 | - | 0.00\% | 36.47 | 3,136,188.60 |
| FORTUNE BRANDS, INC. | 25,000 | 1.00 | 25,000.00 | 1.92\% | 52.06 | 1,301,538.40 |
| GENZYME CORPORATION | 64,000 | 0.00 | - | 0.00\% | 57.57 | 3,684,187.80 |
| HEALTHSOUTH CORP | 33,000 | 0.00 | - | 0.00\% | 15.03 | 495,904.20 |
| JACOBS ENGINEERING GROUP INC. | 24,000 | 0.00 | - | 0.00\% | 60.46 | 1,451,042.40 |
| JOHNSON \& JOHNSON CO | 32,000 | 0.82 | 26,240.00 | 1.52\% | 53.85 | 1,723,212.80 |
| LANDSTAR SYSTEMS, INC | 18,200 | 0.00 | - | 0.00\% | 105.27 | 1,915,860.00 |
| LENNAR CORPORATION | 28,000 | 0.05 | 1,400.00 | 0.11\% | 43.61 | 1,221,017.64 |
| MBNA CORP | 65,000 | 0.28 | 18,200.00 | 0.74\% | 37.87 | 2,461,563.00 |
| MICROCHIP TECHNOLOGY INC. | 32,000 | 0.00 | - | 0.00\% | 38.79 | 1,241,156.50 |
| MOHAWK INDUSTRIES | 24,000 | 0.00 | - | 0.00\% | 69.04 | 1,656,914.40 |
| MOODY'S CORPORATION | 32,000 | 0.18 | 5,760.00 | 0.46\% | 38.96 | 1,246,793.98 |
| OXFORD HEALTH PLANS, INC. | 31,000 | 0.00 | - | 0.00\% | 26.28 | 814,690.48 |
| P.F. CHANG'S CHINA BISTRO | 124,000 | 0.00 | - | 0.00\% | 39.67 | 4,918,602.64 |
| PACTIV CORPORATION | 32,000 | 0.00 | - | 0.00\% | 16.00 | 512,060.80 |
| PEPSICO INC. | 78,000 | 0.60 | 46,800.00 | 1.23\% | 48.65 | 3,794,362.30 |
| PFIZER INC. | 30,000 | 0.52 | 15,600.00 | 1.27\% | 41.01 | 1,230,408.00 |
| QUALCOMM INCORPORATED | 31,000 | 0.00 | - | 0.00\% | 45.70 | 1,416,551.20 |
| QUEST DIAGNOSTIC | 24,000 | 0.00 | - | 0.00\% | 87.08 | 2,089,941.60 |
| SCP POOL CORPORATION | 81,000 | 0.00 | - | 0.00\% | 35.63 | 2,886,050.61 |
| SEARS, ROEBUCK AND COMPANY | 31,000 | 0.92 | 28,520.00 | 1.63\% | 56.36 | 1,747,036.98 |
| SEI INVESTMENTS COMPANY | 32,000 | 0.12 | 3,840.00 | 0.31\% | 39.21 | 1,254,663.00 |
| SIEBEL SYSTEMS | 94,000 | 0.00 | - | 0.00\% | 34.90 | 3,280,381.40 |
| SPRINT CORPORATION (PCS GROUP) | 94,000 | 0.00 | - | 0.00\% | 26.67 | 2,506,826.20 |
| ST. JUDE MEDICAL | 47,000 | 0.00 | - | 0.00\% | 81.51 | 3,830,992.90 |
| TENET HEALTHCARE CORPORATION | 22,000 | 0.00 | - | 0.00\% | 61.06 | 1,343,241.70 |
| VISHAY INTERTECHNOLOGY INC | 30,000 | 0.00 | - | 0.00\% | 23.12 | 693,549.00 |
| WALGREEN COMPANY | 32,000 | 0.15 | 4,800.00 | 0.38\% | 39.62 | 1,267,912.80 |
| WATERS CORPORATION | 32,000 | 0.00 | - | 0.00\% | 34.30 | 1,097,552.00 |
| WHIRLPOOL CORP | 16,000 | 1.36 | 21,760.00 | 1.75\% | 77.53 | 1,240,507.30 |
| TOTAL COMMON STOCK ACQUIRED |  |  | 337,910.00 | 0.46\% |  | 73,421,345.74 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS ACQUIRED
JULY 1, 2001 THROUGH JUNE 30, 2002
OTHER INVESTMENTS ACQUIRED

| Name | Coupon | Maturity | Purchase <br> Price | Book Cost |
| :---: | :---: | :---: | :---: | :---: |
| BRIDGE FINANCIAL |  |  |  |  |
| BRIDGE FINANCIAL-DYNAMITE MTN. RANCH | 12.750 | 4/30/2002 | 100.00 | 93,269.96 |
| BRIDGE FINANCIAL-GRAND INN | 12.000 | 11/11/2001 | 100.00 | 30,000.00 |
| TOTAL BRIDGE FINANCIAL ACQUIRED |  |  |  | 123,269.96 |
| PIVOTAL |  |  |  |  |
| PIVOTAL NEWS I, LLC |  |  |  | 27,000.00 |
| PIVOTAL PROMONTORY |  |  |  | 1,687,500.00 |
| PIVOTAL PROMONTORY-LOANS |  |  |  | 1,080,000.00 |
| TOTAL PIVOTAL ACQUIRED |  |  |  | 2,794,500.00 |
| MISCELLANEOUS |  |  |  |  |
| CENTURY PLAZA HOTEL |  |  |  | 641,250.00 |
| SPA AT RED CANYON |  |  |  | 199,125.00 |
| TOTAL MISCELLANEOUS ACQUIRED |  |  |  | 840,375.00 |
| TOTAL OTHER INVESTMENTS ACQUIRED |  |  |  | 3,758,144.96 |

## STATE OF ARIZONA

## CORRECTIONS OFFICER RETIREMENT PLAN

 SALES AND REDEMPTION OF INVESTMENTS JULY 1, 2001 THROUGH JUNE 30, 2002
## BONDS SOLD

| Security | Coupon | Maturity | Par Value | Sale Price | Accrued <br> Interest | Principal | Amortized <br> Cost |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. TREASURY OBLIGATIONS |  |  |  |  |  |  |  |
| U.S. TREASURY NOTE | 7.500 | $11 / 15 / 2001$ | $2,000,000.00$ | 100.09829 | - | $2,001,965.82$ | $2,001,965.82$ |
| TOTAL U.S. TREASURY OBLIGATIONS |  |  |  |  |  |  |  |
| FEDERAL AGENCY OBLIGATIONS |  |  |  |  |  |  |  |

Detailed information for the redemptions of Federal Agency Obligations are too lengthy to include in this report; therefore, only totals are given.

| TOTAL FEDERAL AGENCY OBLIGATIONS |  |  |  |  |  | 20,769,726.90 | 20,769,726.90 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CORPORATE BONDS |  |  |  |  |  |  |  |  |
| AMERICAN SAVINGS MORTGAGE CORP | 8.450 | 5/25/2008 | 227,920.79 | 99.02956 | - |  | 225,708.95 | 225,708.95 | - |
| ANTHEM INSURANCE COMPANY | 9.125 | 4/1/2010 | 3,000,000.00 | 104.75000 | 86,687.50 | 3,142,500.00 | 2,769,738.60 | 372,761.40 |
| AUTO BOND RECEIVABLE TRUST | 6.400 | 4/15/2001 | 40,477.28 | 100.00000 | - | 40,477.28 | 40,477.28 | - |
| AXA SA | 8.600 | 12/15/2030 | 1,000,000.00 | 113.62400 | 6,211.11 | 1,136,240.00 | 1,083,841.52 | 52,398.48 |
| FORD MOTOR COMPANY | 7.450 | 7/16/2031 | 1,000,000.00 | 94.91000 | 26,075.00 | 949,100.00 | 919,439.39 | 29,660.60 |
| LEHMAN BROTHERS HOLDINGS | 8.750 | 5/15/2002 | 1,000,000.00 | 100.06090 | - | 1,000,609.00 | 1,000,609.00 | - |
| NATIONAL RURAL UTILITIES | 8.000 | 3/1/2032 | 3,000,000.00 | 112.55700 | 68,000.00 | 3,376,710.00 | 3,031,091.61 | 345,618.30 |
| OHIO NATIONAL LIFE INSURANCE | 8.500 | 5/15/2026 | 2,000,000.00 | 105.87900 | 17,000.00 | 2,117,580.00 | 1,996,359.39 | 121,220.60 |
| OKLAHOMA GAS \& ELECTRIC | 6.500 | 4/15/2028 | 1,000,000.00 | 91.47800 | 722.22 | 914,780.00 | 836,715.81 | 78,064.19 |
| SECURITY NATIONAL MORTGAGE | 7.870 | 8/25/2030 | 531,492.84 | 100.00000 | - | 531,492.84 | 531,492.84 | - |
| TYCO INTERNATIONAL GROUP | 6.875 | 1/15/2029 | 1,000,000.00 | 95.42800 | 3,055.56 | 954,280.00 | 904,306.70 | 49,973.30 |
| TOTAL CORPORATE BONDS |  |  | 13,799,890.91 |  | 207,751.39 | 14,389,478.07 | 13,339,781.09 | 1,049,696.87 |
| TOTAL BONDS SOLD |  |  | 13,799,890.91 |  | 207,751.39 | 37,161,170.79 | 36,111,473.81 | 1,049,696.87 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN SALES AND REDEMPTION OF INVESTMENTS JULY 1, 2001 THROUGH JUNE 30, 2002

| Company | Shares Sold | Sale <br> Price | COMMON ST | OCK SOLD |  |  | Page 1 of 2 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Amount | Commission + SEC Fee | Net Amount | Book Cost | $\begin{gathered} \text { Gain (Loss) } \\ \text { on Sale } \\ \hline \end{gathered}$ | \% Gain on Sale |
| AES CORPORATION | 31,000 | 12.8189 | 397,385.90 | 1,563.25 | 395,822.65 | 1,554,553.90 | $(1,158,731.25)$ | -74.54\% |
| ALLTEL CORPORATION | 21,000 | 60.5852 | 1,272,288.75 | 1,092.42 | 1,271,196.33 | 1,332,984.95 | (61,788.62) | -4.64\% |
| AMERICAN EXPRESS | 61,000 | 37.0885 | 2,262,398.50 | 3,083.94 | 2,259,314.56 | 2,147,768.62 | 111,545.94 | 5.19\% |
| AMERICAN INT'L GROUP | 49,096 | 75.1448 | 3,689,310.69 | 2,542.57 | 3,686,768.12 | 1,923,175.49 | 1,763,592.63 | 91.70\% |
| AMGEN | 38,000 | 58.5940 | 2,226,572.00 | 74.22 | 2,226,497.78 | 1,485,309.84 | 741,187.94 | 49.90\% |
| BELLSOUTH CORPORATION | 63,000 | 32.3367 | 2,037,212.10 | 3,211.33 | 2,034,000.77 | 2,527,123.70 | $(493,122.93)$ | -19.51\% |
| BIOGEN INC | 65,000 | 54.2760 | 3,527,940.10 | 1,552.93 | 3,526,387.17 | 3,407,367.50 | 119,019.67 | 3.49\% |
| BJ'S WHOLESALE CLUB, INC. | 37,000 | 42.3431 | 1,566,696.54 | 1,897.17 | 1,564,799.37 | 1,478,466.40 | 86,332.97 | 5.84\% |
| BROADWING INC. | 30,000 | 3.3403 | 100,209.00 | 1,503.02 | 98,705.98 | 741,158.99 | $(642,453.01)$ | -86.68\% |
| CHARTER COMMUNICATIONS, INC | 30,000 | 11.7002 | 351,006.00 | 11.71 | 350,994.29 | 666,693.00 | (315,698.71) | -47.35\% |
| CHOICEPOINT | - | - | - | - | - | - | 30.65 | 0.00\% |
| CISCO SYSTEMS | 60,000 | 19.7198 | 1,183,188.00 | 39.45 | 1,183,148.55 | 520,831.76 | 662,316.79 | 127.17\% |
| CORNING INCORPORATED | 93,000 | 9.7958 | 911,009.40 | 4,680.37 | 906,329.03 | 6,491,949.70 | $(5,585,620.67)$ | -86.04\% |
| DAL-TILE/MOHAWK MERGER CASH | - | - | - | - | - | 70.35 | 362,982.36 | 0.00\% |
| DEVON ENERGY CORPORATION | 24,000 | 33.0124 | 792,297.60 | 1,226.41 | 791,071.19 | 1,379,485.30 | (588,414.11) | -42.65\% |
| ECHOSTAR COMMUNICATIONS 'A' | 60,000 | 23.0540 | 1,383,240.00 | 46.11 | 1,383,193.89 | 2,852,422.73 | $(1,469,228.84)$ | -51.51\% |
| EL PASO CORPORATION | 61,000 | 21.9184 | 1,337,022.40 | 3,090.25 | 1,333,932.15 | 3,505,925.20 | $(2,171,993.05)$ | -61.95\% |
| EMC CORP | 84,000 | 13.6838 | 1,149,438.00 | 4,229.84 | 1,145,208.16 | 784,140.50 | 361,067.66 | 46.05\% |
| ENRON CORPORATION | 220,000 | 25.8639 | 5,690,050.41 | 6,539.66 | 5,683,510.75 | 4,142,668.00 | 1,540,842.75 | 37.19\% |
| EXPRESS SCRIPTS | 16,000 | 44.3052 | 708,883.65 | 10.65 | 708,873.00 | 337,164.65 | 371,708.35 | 110.25\% |
| GUIDANT CORPORATION | 32,000 | 32.1000 | 1,027,200.00 | 1,634.24 | 1,025,565.76 | 2,089,215.60 | $(1,063,649.84)$ | -50.91\% |
| HELLER FINANCIAL, INC. | 25,000 | 53.0917 | 1,327,292.50 | 1,294.25 | 1,325,998.25 | 657,415.50 | 668,582.75 | 101.70\% |
| HOME DEPOT | 32,000 | 50.4624 | 1,614,796.80 | 1,624.23 | 1,613,172.57 | 412,729.01 | 1,200,443.56 | 290.86\% |
| INTEL CORPORATION | 103,000 | 22.9150 | 2,360,240.80 | 78.69 | 2,360,162.11 | 2,198,309.26 | 161,852.85 | 7.36\% |
| INTERNATIONAL BUSINESS MACH. | 69,000 | 109.2220 | 7,536,316.60 | 3,659.53 | 7,532,657.07 | 2,280,953.12 | 5,251,703.95 | 230.24\% |
| JABIL CIRCUIT | 30,000 | 32.9132 | 987,396.00 | 1,532.92 | 985,863.08 | 621,857.40 | 364,005.68 | 58.54\% |
| LEXMARK INTERNATIONAL GROUP | 38,000 | 57.2390 | 2,175,082.00 | 1,932.63 | 2,173,149.37 | 2,770,836.52 | (597,687.15) | -21.57\% |
| MCI Group | 8,580 | 15.2738 | 131,049.20 | 4.37 | 131,044.83 | 285,784.41 | (154,739.58) | -54.15\% |
| NEWS CORPORATION | 116,500 | 28.3118 | 3,298,322.90 | 5,890.93 | 3,292,431.97 | 2,642,186.35 | 650,245.62 | 24.61\% |
| NOKIA CORPORATION | 180,000 | 18.1111 | 3,259,990.00 | 9,072.77 | 3,250,917.23 | 3,237,490.14 | 13,427.09 | 0.41\% |
| NORTEL NETWORKS CORP | 43,000 | 7.8500 | 337,550.00 | 2,161.26 | 335,388.74 | 677,630.32 | $(342,241.58)$ | -50.51\% |
| OFFICEMAX INC. | 385,000 | 3.0810 | 1,186,185.61 | 19,289.66 | 1,166,895.95 | 5,303,134.59 | $(4,136,238.64)$ | -78.00\% |
| PFIZER INC. | 28,000 | 39.9271 | 1,117,958.80 | 1,437.27 | 1,116,521.53 | 573,281.10 | 543,240.43 | 94.76\% |
| PLANTRONICS, INC. | 32,000 | 20.2439 | 647,805.37 | 1,621.62 | 646,183.75 | 858,231.81 | $(212,048.06)$ | -24.71\% |
| QUANTA SERVICES, INC. | 34,000 | 14.0273 | 476,929.16 | 1,707.17 | 475,221.99 | 1,152,685.24 | $(677,463.25)$ | -58.77\% |
| RAINBOW MEDIA GROUP | 32,000 | 19.9504 | 638,412.80 | 1,621.29 | 636,791.51 | 520,110.69 | 116,680.82 | 22.43\% |
| SCHERING-PLOUGH CORP | 80,000 | 36.9686 | 2,957,491.20 | 4,098.60 | 2,953,392.60 | 1,088,212.15 | 1,865,180.45 | 171.40\% |
| SEITEL, INC | 58,000 | 5.3736 | 311,671.58 | 2,905.14 | 308,766.44 | 1,084,273.67 | $(775,507.23)$ | -71.52\% |
| SUN MICROSYSTEMS, INC | 64,000 | 17.0801 | 1,093,126.40 | 3,236.44 | 1,089,889.96 | 2,639,765.36 | $(1,549,875.40)$ | -58.71\% |

STATE OF ARIZONA CORRECTIONS OFFICER RETIREMENT PLAN

## SALES AND REDEMPTION OF INVESTMENTS

JULY 1, 2001 THROUGH JUNE 30, 2002
COMMON STOCK SOLD

| Company | Shares Sold | Sale <br> Price | Amount | $\begin{aligned} & \text { Commission } \\ & + \text { SEC Fee } \end{aligned}$ | Net Amount | Book Cost | $\begin{aligned} & \text { Gain (Loss) } \\ & \text { on Sale } \end{aligned}$ | 2 of 2 <br> \% Gain on Sale |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3M CORP CLASS ACTION LAWSUIT | - | - | - | - | - | - | 121,481.08 | 0.00\% |
| TARGET CORP | 27,000 | 31.4561 | 849,314.70 | 1,378.32 | 847,936.38 | 776,389.38 | 71,547.00 | 9.22\% |
| WILLIAMS COMMUNICATIONS GROUP | 76,483 | 2.1314 | 163,016.00 | 3,829.59 | 159,186.41 | 327,010.62 | $(167,824.21)$ | -51.32\% |
| WORLDCOM INC. | 134,000 | 10.0193 | 1,342,587.30 | 2,036.34 | 1,340,550.96 | 4,410,979.20 | (3,070,428.24) | -69.61\% |
| TOTAL STOCK SOLD | 2,670,659 |  | 65,425,884.76 | 108,442.56 | 65,317,442.20 | 73,887,742.02 | (8,085,735.38) | -10.94\% |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN SALES AND REDEMPTION OF INVESTMENTS JULY 1, 2001 THROUGH JUNE 30, 2002

OTHER INVESTMENTS SOLD

| Name | Coupon | Maturity | Book Cost | Gain <br> (Loss) |
| :---: | :---: | :---: | :---: | :---: |
| BRIDGE FINANCIAL |  |  |  |  |
| BRIDGE FINANCIAL-15 E. Monroe | 12.500 | 1/5/2001 | 184,500.00 | - |
| BRIDGE FINANCIAL-Beaver Creek G.C. | 13.000 | 8/3/2001 | 138,000.00 | - |
| BRIDGE FINANCIAL-Dynamite Mtn Ranch II | 12.750 | 6/30/2002 | 18,585.00 | - |
| BRIDGE FINANCIAL-Village at Hassayampa | 12.000 | 11/11/2001 | 59,811.02 | - |
| TOTAL BRIDGE FINANCIAL SOLD |  |  | 400,896.02 | - |
| PIVOTAL |  |  |  |  |
| PIVOTAL PROMONTORY |  |  | 742,500.00 | - |
| PIVOTAL PROMONTORY-LOANS | 10.000 |  | 1,080,000.00 | - |
| TOTAL PIVOTAL SOLD |  |  | 1,822,500.00 | - |
| DESERT TROON |  |  |  |  |
| DESERT TROON EQUITY-TORREON |  |  | - | 4,143.18 |
| DESERT TROON EQUITY-LA JOLLA |  |  | 2,280,000.00 | 288,877.20 |
| TOTAL PIVOTAL SOLD |  |  | 2,280,000.00 | 293,020.38 |
| MISCELLANEOUS |  |  |  |  |
| LAKE PLEASANT | 14.000 | 9/15/2001 | - | 3,802.99 |
| PEBBLECREEK PROPERTIES | 10.000 | 4/1/2005 | 253,059.10 | - |
| TOTAL MISCELLANEOUS SOLD |  |  | 253,059.10 | 3,802.99 |
| TOTAL OTHER INVESTMENTS SOLD |  |  | 4,756,455.12 | 296,823.37 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS OWNED
JUNE 30, 2002
BOND PORTFOLIO
Page 1 of 3

| Par Value | Security | Cpn | Maturity | Book Cost | Book Price | Current Price | Current Value | Gain or (Loss) | Annual Income | Book Yield | YTM |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. TREASURY OBLIGATIONS |  |  |  |  |  |  |  |  |  |  |  |
| \$4,000,000.00 | U.S. TREASURY BOND | 9.125 | 5/15/2009 | \$4,001,539.18 | 100.03848 | 111.37500 | \$4,455,000.00 | \$453,460.82 | \$365,000.00 | 9.120 | 7.040 |
| \$1,000,000.00 | U.S. TREASURY BOND | 7.500 | 11/15/2016 | \$965,569.27 | 96.55693 | 120.34400 | \$1,203,440.00 | \$237,870.73 | \$75,000.00 | 7.770 | 5.450 |
| \$3,000,000.00 | U.S. TREASURY BOND | 9.125 | 5/15/2018 | \$3,000,000.00 | 100.00000 | 138.21900 | \$4,146,570.00 | \$1,146,570.00 | \$273,750.00 | 9.130 | 5.500 |
| \$2,000,000.00 | U.S. TREASURY BOND | 8.125 | 8/15/2019 | \$2,001,569.97 | 100.07850 | 128.09400 | \$2,561,880.00 | \$560,310.03 | \$162,500.00 | 8.120 | 5.550 |
| \$1,000,000.00 | U.S. TREASURY BOND | 8.000 | 11/15/2021 | \$1,000,000.00 | 100.00000 | 127.90600 | \$1,279,060.00 | \$279,060.00 | \$80,000.00 | 8.000 | 5.630 |
| \$11,000,000.00 | TOTAL U.S. TREASURY OBLIGATIONS |  |  | \$10,968,678.42 |  |  | \$13,645,950.00 | \$2,677,271.58 | \$956,250.00 | 8.718 |  |
| FEDERAL AGENCY OBLIGATIONS |  |  |  |  |  |  |  |  |  |  |  |
| \$199,837.89 | GNMA Pool \#173878 | 9.000 | 8/15/2016 | \$197,714.59 | 98.93749 | 110.40700 | \$220,635.02 | \$22,920.43 | \$17,985.41 | 9.100 | 3.840 |
| \$179,884.45 | GNMA Pool \#174481 | 9.000 | 7/15/2016 | \$174,206.84 | 96.84375 | 110.40700 | \$198,605.02 | \$24,398.18 | \$16,189.60 | 9.290 | 3.840 |
| \$383,097.45 | GNMA Pool \#176431 | 9.000 | 8/15/2016 | \$370,886.25 | 96.81251 | 110.40700 | \$422,966.40 | \$52,080.15 | \$34,478.77 | 9.300 | 3.840 |
| \$152,252.27 | GNMA Pool \#184656 | 9.000 | 12/15/2016 | \$147,446.82 | 96.84376 | 110.40700 | \$168,097.16 | \$20,650.34 | \$13,702.70 | 9.290 | 3.840 |
| \$153,177.05 | GNMA Pool \#185289 | 9.000 | 9/15/2019 | \$149,060.42 | 97.31250 | 110.03100 | \$168,542.24 | \$19,481.82 | \$13,785.93 | 9.250 | 3.840 |
| \$86,306.40 | GNMA Pool \#190095 | 9.000 | 12/15/2016 | \$81,910.17 | 94.90625 | 110.40700 | \$95,288.31 | \$13,378.14 | \$7,767.58 | 9.480 | 3.840 |
| \$87,445.08 | GNMA Pool \#202505 | 9.000 | 10/15/2019 | \$85,504.89 | 97.78125 | 110.03100 | \$96,216.70 | \$10,711.81 | \$7,870.06 | 9.200 | 3.840 |
| \$132,957.69 | GNMA Pool \#217956 | 10.000 | 11/15/2017 | \$131,466.83 | 98.87870 | 113.95700 | \$151,514.59 | \$20,047.76 | \$13,295.77 | 10.110 | 8.780 |
| \$105,850.06 | GNMA Pool \#226529 | 9.000 | 6/15/2018 | \$97,415.13 | 92.03125 | 110.40700 | \$116,865.88 | \$19,450.75 | \$9,526.51 | 9.780 | 3.840 |
| \$26,831.34 | GNMA Pool \#232237 | 9.000 | 1/15/2020 | \$26,118.62 | 97.34370 | 110.03100 | \$29,522.79 | \$3,404.17 | \$2,414.82 | 9.250 | 3.840 |
| \$42,407.11 | GNMA Pool \#234937 | 9.000 | 3/15/2018 | \$39,173.59 | 92.37505 | 110.40700 | \$46,820.42 | \$7,646.83 | \$3,816.64 | 9.740 | 3.840 |
| \$172,643.49 | GNMA Pool \#238600 | 10.000 | 11/15/2017 | \$171,510.55 | 99.34377 | 113.95700 | \$196,739.34 | \$25,228.79 | \$17,264.35 | 10.070 | 8.780 |
| \$46,315.46 | GNMA Pool \#238840 | 9.000 | 5/15/2018 | \$42,928.64 | 92.68750 | 110.40700 | \$51,135.51 | \$8,206.87 | \$4,168.39 | 9.710 | 3.840 |
| \$35,227.99 | GNMA Pool \#248951 | 9.000 | 5/15/2018 | \$33,290.48 | 94.50008 | 110.40700 | \$38,894.17 | \$5,603.69 | \$3,170.52 | 9.520 | 3.840 |
| \$24,009.69 | GNMA Pool \#252056 | 9.000 | 6/15/2018 | \$23,334.44 | 97.18759 | 110.40700 | \$26,508.38 | \$3,173.94 | \$2,160.87 | 9.260 | 3.840 |
| \$199,945.77 | GNMA Pool \#256195 | 9.000 | 8/15/2018 | \$189,198.71 | 94.62501 | 110.40700 | \$220,754.13 | \$31,555.42 | \$17,995.12 | 9.510 | 3.840 |
| \$45,591.46 | GNMA Pool \#263385 | 9.000 | 11/15/2018 | \$43,589.73 | 95.60942 | 110.40700 | \$50,336.16 | \$6,746.43 | \$4,103.23 | 9.410 | 3.840 |
| \$64,910.82 | GNMA Pool \#285597 | 9.000 | 3/15/2020 | \$61,949.28 | 95.43752 | 109.40600 | \$71,016.33 | \$9,067.05 | \$5,841.97 | 9.430 | 3.840 |
| \$227,288.17 | GNMA Pool \#285803 | 9.000 | 3/15/2020 | \$217,131.23 | 95.53125 | 109.40600 | \$248,666.90 | \$31,535.67 | \$20,455.94 | 9.420 | 3.840 |
| \$30,337.00 | GNMA Pool \#298952 | 9.000 | 4/15/2021 | \$30,337.00 | 100.00000 | 109.53100 | \$33,228.42 | \$2,891.42 | \$2,730.33 | 9.000 | 3.840 |
| \$23,581.19 | GNMA Pool \#303324 | 9.000 | 4/15/2021 | \$23,581.19 | 100.00000 | 109.53100 | \$25,828.71 | \$2,247.52 | \$2,122.31 | 9.000 | 3.840 |
| \$42,879.35 | GNMA Pool \#304625 | 9.000 | 3/15/2021 | \$42,865.95 | 99.96875 | 109.53100 | \$46,966.18 | \$4,100.23 | \$3,859.14 | 9.000 | 3.840 |
| \$108,346.96 | GNMA Pool \#305187 | 9.000 | 6/15/2021 | \$108,313.09 | 99.96874 | 109.53100 | \$118,673.51 | \$10,360.42 | \$9,751.23 | 9.000 | 3.840 |
| \$496,673.15 | GNMA Pool \#330725 | 8.000 | 7/15/2022 | \$493,413.74 | 99.34375 | 107.87500 | \$535,786.16 | \$42,372.42 | \$39,733.85 | 8.050 | 3.620 |
| \$1,764,632.81 | GNMA Pool \#375887 | 7.000 | 5/15/2024 | \$1,651,034.56 | 93.56250 | 104.37500 | \$1,841,835.50 | \$190,800.94 | \$123,524.30 | 7.480 | 5.280 |
| \$708,932.12 | GNMA Pool \#377589 | 7.500 | 8/15/2025 | \$706,938.25 | 99.71875 | 106.43700 | \$754,566.08 | \$47,627.83 | \$53,169.91 | 7.520 | 4.100 |
| \$844,246.40 | GNMA Pool \#386038 | 7.000 | 6/15/2024 | \$792,404.38 | 93.85937 | 104.37500 | \$881,182.18 | \$88,777.80 | \$59,097.25 | 7.460 | 5.280 |
| \$526,838.23 | GNMA Pool \#389845 | 8.000 | 9/15/2024 | \$517,453.91 | 98.21875 | 107.62400 | \$567,004.38 | \$49,550.47 | \$42,147.06 | 8.150 | 3.620 |
| \$1,164,261.54 | GNMA Pool \#398831 | 8.000 | 8/15/2026 | \$1,162,442.38 | 99.84375 | 107.00000 | \$1,245,759.85 | \$83,317.47 | \$93,140.92 | 8.010 | 3.620 |
| \$471,417.85 | GNMA Pool \#403979 | 8.500 | 10/15/2024 | \$463,388.98 | 98.29687 | 107.93700 | \$508,834.28 | \$45,445.30 | \$40,070.52 | 8.650 | 3.680 |
| \$669,005.89 | GNMA Pool \#421711 | 7.500 | 4/15/2026 | \$668,169.64 | 99.87500 | 106.28100 | \$711,026.15 | \$42,856.51 | \$50,175.44 | 7.510 | 4.100 |
| \$827,179.07 | GNMA Pool \#427556 | 7.500 | 3/15/2026 | \$824,723.46 | 99.70313 | 106.28100 | \$879,134.19 | \$54,410.73 | \$62,038.43 | 7.520 | 4.100 |
| \$1,707,803.05 | GNMA Pool \#432701 | 8.000 | 6/15/2026 | \$1,707,803.05 | 100.00000 | 107.00000 | \$1,827,349.26 | \$119,546.21 | \$136,624.24 | 8.000 | 3.620 |
| \$1,812,755.46 | GNMA Pool \#434101 | 7.000 | 12/15/2028 | \$1,777,066.83 | 98.03125 | 103.93700 | \$1,884,123.64 | \$107,056.81 | \$126,892.88 | 7.140 | 5.280 |
| \$784,438.70 | GNMA Pool \#434237 | 6.000 | 3/15/2029 | \$726,463.76 | 92.60937 | 100.28100 | \$786,642.97 | \$60,179.21 | \$47,066.32 | 6.480 | 6.060 |

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STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN INVESTMENTS OWNED

JUNE 30, 2002
BOND PORTFOLIO
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| Par Value | Security | Cpn | Maturity | Book Cost | Book <br> Price | Current Price | Current Value | Gain or (Loss) | Annual Income | Book <br> Yield | YTM |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$245,088.45 | GNMA Pool \#439645 | 8.000 | 9/15/2026 | \$244,935.28 | 99.93750 | 107.00000 | \$262,244.64 | \$17,309.36 | \$19,607.08 | 8.010 | 3.620 |
| \$812,028.23 | GNMA Pool \#441619 | 7.500 | 11/15/2029 | \$808,856.24 | 99.60937 | 105.46900 | \$856,438.05 | \$47,581.81 | \$60,902.12 | 7.530 | 4.100 |
| \$1,906,961.78 | GNMA Pool \#458918 | 7.000 | 8/15/2028 | \$1,872,398.10 | 98.18750 | 103.93700 | \$1,982,038.87 | \$109,640.77 | \$133,487.32 | 7.130 | 5.280 |
| \$1,760,663.17 | GNMA Pool \#475872 | 7.000 | 7/15/2028 | \$1,746,357.79 | 99.18750 | 103.93700 | \$1,829,980.48 | \$83,622.69 | \$123,246.42 | 7.060 | 5.280 |
| \$4,848,100.39 | GNMA Pool \#499876 | 7.000 | 6/15/2029 | \$4,822,344.85 | 99.46875 | 103.81200 | \$5,032,909.98 | \$210,565.13 | \$339,367.03 | 7.040 | 5.280 |
| \$3,195,084.84 | GNMA Pool \#499905 | 7.000 | 5/15/2029 | \$3,172,120.14 | 99.28125 | 103.81200 | \$3,316,881.47 | \$144,761.33 | \$223,655.94 | 7.050 | 5.280 |
| \$2,495,556.32 | GNMA Pool \#499907 | 7.000 | 5/15/2029 | \$2,392,224.69 | 95.85937 | 104.06800 | \$2,597,075.55 | \$204,850.86 | \$174,688.94 | 7.300 | 5.280 |
| \$1,431,666.80 | GNMA Pool \#507496 | 7.000 | 6/15/2029 | \$1,387,822.00 | 96.93750 | 103.81200 | \$1,486,241.94 | \$98,419.94 | \$100,216.68 | 7.220 | 5.280 |
| \$588,293.11 | GNMA Pool \#510958 | 7.000 | 5/15/2029 | \$584,064.74 | 99.28125 | 103.81200 | \$610,718.84 | \$26,654.10 | \$41,180.52 | 7.050 | 5.280 |
| \$385,720.83 | GNMA Pool \#512888 | 7.000 | 7/15/2029 | \$373,908.13 | 96.93750 | 103.81200 | \$400,424.51 | \$26,516.38 | \$27,000.46 | 7.220 | 5.280 |
| \$1,238,599.38 | GNMA Pool \#513367 | 7.000 | 8/15/2029 | \$1,185,958.93 | 95.75000 | 104.06800 | \$1,288,985.60 | \$103,026.67 | \$86,701.96 | 7.310 | 5.280 |
| \$3,754,129.27 | GNMA Pool \#530611 | 6.500 | 5/15/2031 | \$3,750,903.09 | 99.91406 | 102.00000 | \$3,829,211.86 | \$78,308.77 | \$244,018.40 | 6.510 | 5.950 |
| \$5,431,934.42 | GNMA Pool \#530631 | 6.500 | 6/15/2031 | \$5,407,746.03 | 99.55470 | 102.00000 | \$5,540,573.11 | \$132,827.08 | \$353,075.74 | 6.530 | 5.950 |
| \$1,806,325.13 | GNMA Pool \#539629 | 6.500 | 4/15/2031 | \$1,799,551.42 | 99.62500 | 102.00000 | \$1,842,451.63 | \$42,900.21 | \$117,411.13 | 6.520 | 5.950 |
| \$880,302.98 | GNMA Pool \#548963 | 6.500 | 3/15/2031 | \$878,102.24 | 99.75000 | 102.00000 | \$897,909.04 | \$19,806.80 | \$57,219.69 | 6.520 | 5.950 |
| \$1,592,356.03 | GNMA Pool \#549915 | 6.500 | 5/15/2031 | \$1,586,384.69 | 99.62500 | 102.00000 | \$1,624,203.15 | \$37,818.46 | \$103,503.14 | 6.520 | 5.950 |
| \$12,974,804.83 | GNMA Pool \#552514 | 6.500 | 4/15/2032 | \$12,930,203.94 | 99.65625 | 102.00000 | \$13,234,300.93 | \$304,096.99 | \$843,362.31 | 6.520 | 5.950 |
| \$2,891,227.63 | GNMA Pool \#560189 | 6.500 | 4/15/2031 | \$2,883,921.31 | 99.74729 | 102.23600 | \$2,955,875.48 | \$71,954.17 | \$187,929.80 | 6.520 | 5.950 |
| \$2,596,489.59 | GNMA Pool \#780076 | 8.000 | 2/15/2025 | \$2,549,897.20 | 98.20556 | 107.62400 | \$2,794,445.96 | \$244,548.76 | \$207,719.17 | 8.150 | 3.620 |
| \$1,497,801.34 | GNMA Pool \#780220 | 7.500 | 8/15/2025 | \$1,497,315.40 | 99.96756 | 106.39000 | \$1,593,510.85 | \$96,195.45 | \$112,335.10 | 7.500 | 4.100 |
| \$845,103.05 | GNMA Pool \#780896 | 7.000 | 11/15/2028 | \$828,031.10 | 97.97990 | 103.93700 | \$878,374.76 | \$50,343.66 | \$59,157.21 | 7.140 | 5.280 |
| \$67,527,545.98 | TOTAL FEDERAL AGENCY OBLIGATIONS |  |  | \$66,683,284.69 | 98.74975 |  | \$70,121,863.61 | \$3,438,578.92 | \$4,723,924.47 | 7.084 |  |
| CORPORATE BONDS |  |  |  |  |  |  |  |  |  |  |  |
| \$2,500,000.00 | AGL CAPITAL TRUST | 8.17 | 6/1/2037 | \$2,544,259.74 | 101.77039 | 97.72500 | \$2,443,125.00 | (\$101,134.74) | \$204,250.00 | 8.030 | 8.370 |
| \$1,530,000.00 | AMERICAN UNITED LIFE INS CO | 7.75 | 3/30/2026 | \$1,492,820.03 | 97.56994 | 87.70200 | \$1,341,840.60 | (\$150,979.43) | \$118,575.00 | 7.940 | 9.010 |
| \$8,000,000.00 | ANTHEM INSURANCE COMPANY INC | 9 | 4/1/2027 | \$8,535,182.87 | 106.68979 | 111.00900 | \$8,880,720.00 | \$345,537.13 | \$720,000.00 | 8.440 | 7.980 |
| \$1,000,000.00 | AT\&T CORPORATES | 8.35 | 1/15/2025 | \$1,014,208.98 | 101.42090 | 76.17700 | \$761,770.00 | (\$252,438.98) | \$83,500.00 | 8.230 | 11.290 |
| \$1,000,000.00 | AT\&T CORPORATES | 6.5 | 3/15/2029 | \$871,697.82 | 87.16978 | 65.13900 | \$651,390.00 | (\$220,307.82) | \$65,000.00 | 7.460 | 10.390 |
| \$76,037.67 | AUTO BOND RECEIVABLE TRUST | 6.4 | 4/15/2001 | \$76,037.67 | 100.00000 | 99.87500 | \$75,942.62 | (\$95.05) | \$4,866.41 | 6.400 | - |
| \$1,000,000.00 | BANC ONE CORP | 8 | 4/29/2027 | \$1,025,190.25 | 102.51903 | 112.09300 | \$1,120,930.00 | \$95,739.75 | \$80,000.00 | 7.800 | 6.970 |
| \$2,000,000.00 | BANKERS TRUST CORP 144A | 8.09 | 12/1/2026 | \$2,000,000.00 | 100.00000 | 104.01700 | \$2,080,340.00 | \$80,340.00 | \$161,800.00 | 8.090 | 7.720 |
| \$1,500,000.00 | COUNTRYWIDE CAPITAL I | 8 | 12/15/2026 | \$1,500,000.00 | 100.00000 | 98.88300 | \$1,483,245.00 | (\$16,755.00) | \$120,000.00 | 8.000 | 8.110 |
| \$2,000,000.00 | DELTA AIRLINES SERIES 01-1B | 7.711 | 9/18/2011 | \$1,990,595.58 | 99.52978 | 103.85400 | \$2,077,080.00 | \$86,484.42 | \$154,220.00 | 7.750 | 7.120 |
| \$1,000,000.00 | DISCOVER CREDIT | 9.1 | 4/13/2012 | \$1,000,000.00 | 100.00000 | 118.76100 | \$1,187,610.00 | \$187,610.00 | \$91,000.00 | 9.100 | 6.520 |
| \$5,250,000.00 | FARMERS INSURANCE EXCHANGE | 8.625 | 5/1/2024 | \$4,915,364.92 | 93.62600 | 93.52400 | \$4,910,010.00 | (\$5,354.92) | \$452,812.50 | 9.210 | 9.320 |
| \$2,000,000.00 | FIRST EMPIRE CAPITAL TRUST I | 8.234 | 2/1/2027 | \$2,149,969.87 | 107.49849 | 103.75400 | \$2,075,080.00 | (\$74,889.87) | \$164,680.00 | 7.660 | 7.890 |
| \$3,000,000.00 | FIRST HAWAIIAN CAPITAL TRUST | 8.343 | 7/1/2027 | \$3,158,686.88 | 105.28956 | 105.69400 | \$3,170,820.00 | \$12,133.12 | \$250,290.00 | 7.920 | 7.820 |
| \$500,000.00 | FIRST UNION CAPITAL II | 7.95 | 11/15/2029 | \$453,169.83 | 90.63397 | 107.82600 | \$539,130.00 | \$85,960.17 | \$39,750.00 | 8.770 | 7.290 |
| \$1,000,000.00 | FORD HOLDINGS INC | 9.375 | 3/1/2020 | \$1,123,693.98 | 112.36940 | 114.09800 | \$1,140,980.00 | \$17,286.02 | \$93,750.00 | 8.340 | 7.880 |
| \$1,000,000.00 | FORD MOTOR COMPANY | 9.5 | 9/15/2011 | \$999,622.17 | 99.96222 | 113.07200 | \$1,130,720.00 | \$131,097.83 | \$95,000.00 | 9.500 | 7.480 |
| \$1,000,000.00 | FORD MOTOR CREDIT | 7.25 | 10/25/2011 | \$1,017,464.07 | 101.74641 | 99.93700 | \$999,370.00 | (\$18,094.07) | \$72,500.00 | 7.130 | 7.260 |
| \$2,500,000.00 | GENERAL AMERICAN LIFE INSURANCE CO | 7.625 | 1/15/2024 | \$2,235,466.88 | 89.41868 | 103.25400 | \$2,581,350.00 | \$345,883.12 | \$190,625.00 | 8.530 | 7.320 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS OWNED
JUNE 30, 2002
BOND PORTFOLIO
Page 3 of 3

| Par Value | Security | Cpn | Maturity | Book Cost | Book <br> Price | Current <br> Price | Current Value | Gain or (Loss) | Annual Income | Book <br> Yield | YTM |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$1,000,000.00 | GOLDMAN SACHS GROUP INC. | 8 | 3/1/2013 | \$997,245.05 | 99.72451 | 111.19000 | \$1,111,900.00 | \$114,654.95 | \$80,000.00 | 8.020 | 6.510 |
| \$5,000,000.00 | GOODRICH CORPORATION | 7.1 | 11/15/2027 | \$4,550,511.20 | 91.01022 | 94.56000 | \$4,728,000.00 | \$177,488.80 | \$355,000.00 | 7.800 | 7.590 |
| \$1,000,000.00 | HUNTINGTON BANKS SUB NTS | 6.6 | 6/15/2018 | \$916,902.02 | 91.69020 | 97.26200 | \$972,620.00 | \$55,717.98 | \$66,000.00 | 7.200 | 6.880 |
| \$3,000,000.00 | JOHN HANCOCK MUTUAL LIFE INS CO | 7.375 | 2/15/2024 | \$2,834,150.07 | 94.47167 | 104.45500 | \$3,133,650.00 | \$299,499.93 | \$221,250.00 | 7.810 | 6.970 |
| \$4,000,000.00 | JPM CAPITAL TRUST II | 7.95 | 2/1/2027 | \$4,162,562.27 | 104.06406 | 103.46200 | \$4,138,480.00 | (\$24,082.27) | \$318,000.00 | 7.640 | 7.640 |
| \$1,000,000.00 | KEY CORP CAPITAL III | 7.75 | 7/15/2029 | \$955,585.56 | 95.55856 | 99.60300 | \$996,030.00 | \$40,444.44 | \$77,500.00 | 8.110 | 7.790 |
| \$2,000,000.00 | LEHMAN BROTHERS HOLDINGS INC | 8.8 | 3/1/2015 | \$2,187,582.04 | 109.37910 | 117.21200 | \$2,344,240.00 | \$156,657.96 | \$176,000.00 | 8.050 | 6.740 |
| \$2,430,000.00 | LIBERTY MUTUAL INSURANCE | 7.875 | 10/15/2026 | \$2,288,308.24 | 94.16906 | 91.95800 | \$2,234,579.40 | (\$53,728.84) | \$191,362.50 | 8.360 | 8.670 |
| \$6,000,000.00 | LUMBERMANS MUTUAL CASUALTY CO | 9.15 | 7/1/2026 | \$6,825,324.96 | 113.75542 | 90.88100 | \$5,452,860.00 | (\$1,372,464.96) | \$549,000.00 | 8.040 | 10.170 |
| \$1,000,000.00 | MERRILL LYNCH \& COMPANY | 8 | 6/1/2007 | \$1,000,000.00 | 100.00000 | 112.28000 | \$1,122,800.00 | \$122,800.00 | \$80,000.00 | 8.000 | 5.180 |
| \$3,000,000.00 | NATIONWIDE MUTUAL INS CO | 7.5 | 2/15/2024 | \$2,883,566.17 | 96.11887 | 96.35200 | \$2,890,560.00 | \$6,993.83 | \$225,000.00 | 7.800 | 7.850 |
| \$2,782,520.01 | NORTHWEST AIRLINES | 7.935 | 4/1/2019 | \$3,038,641.43 | 109.20466 | 105.92500 | \$2,947,384.32 | (\$91,257.11) | \$220,792.96 | 7.270 | 7.320 |
| \$2,000,000.00 | PMI CAPITAL | 8.309 | 2/1/2027 | \$2,057,591.15 | 102.87956 | 93.08300 | \$1,861,660.00 | (\$195,931.15) | \$166,180.00 | 8.080 | 9.010 |
| \$2,000,000.00 | PRINCIPAL MUTUAL LIFE INSURANCE CO | 7.875 | 3/1/2024 | \$1,913,729.11 | 95.68646 | 103.70100 | \$2,074,020.00 | \$160,290.89 | \$157,500.00 | 8.230 | 7.530 |
| \$1,000,000.00 | PRUDENTIAL INSURANCE CO OF AMERICA | 8.3 | 7/1/2025 | \$981,900.64 | 98.19006 | 109.61400 | \$1,096,140.00 | \$114,239.36 | \$83,000.00 | 8.450 | 7.420 |
| \$3,000,000.00 | ROCKWELL INTERNATIONAL | 6.7 | 1/15/2028 | \$2,733,312.49 | 91.11042 | 95.48100 | \$2,864,430.00 | \$131,117.51 | \$201,000.00 | 7.350 | 7.090 |
| \$2,000,000.00 | ROYAL \& SUN ALLIANCE INSURANCE | 8.95 | 10/15/2029 | \$2,188,521.80 | 109.42609 | 107.70000 | \$2,154,000.00 | (\$34,521.80) | \$179,000.00 | 8.180 | 8.240 |
| \$2,500,000.00 | SAFECO CAPITAL TRUST | 8.072 | 7/15/2037 | \$2,515,380.58 | 100.61522 | 94.86000 | \$2,371,500.00 | (\$143,880.58) | \$201,800.00 | 8.020 | 8.540 |
| \$1,000,000.00 | SEARS ROEBUCK \& CO. | 9.375 | 11/1/2011 | \$1,000,000.00 | 100.00000 | 119.05300 | \$1,190,530.00 | \$190,530.00 | \$93,750.00 | 9.380 | 6.640 |
| \$2,000,000.00 | SECURITY MUTUAL LIFE NEW YORK | 9.375 | 12/15/2016 | \$2,197,740.37 | 109.88702 | 102.40000 | \$2,048,000.00 | (\$149,740.37) | \$187,500.00 | 8.530 | 9.070 |
| \$1,454,981.76 | SECURITY NATIONAL MORTGAGE LOAN | 7.87 | 8/25/2030 | \$1,454,981.76 | 100.00000 | 105.98400 | \$1,542,047.87 | \$87,066.11 | \$114,507.06 | 7.870 | 7.370 |
| \$1,000,000.00 | SOUTHERN COMPANY CAPITAL TRUST | 8.19 | 2/1/2037 | \$1,073,834.32 | 107.38343 | 101.93000 | \$1,019,300.00 | (\$54,534.32) | \$81,900.00 | 7.630 | 8.020 |
| \$3,000,000.00 | STANDARD CHARTERED BANK | 8 | 5/30/2031 | \$3,143,923.60 | 104.79745 | 102.61100 | \$3,078,330.00 | (\$65,593.60) | \$240,000.00 | 7.630 | 7.770 |
| \$2,000,000.00 | UNION CARBIDE CORP | 7.875 | 4/1/2023 | \$1,933,825.20 | 96.69126 | 98.08200 | \$1,961,640.00 | \$27,814.80 | \$157,500.00 | 8.140 | 8.070 |
| \$2,000,000.00 | UNION CENTRAL LIFE | 8.2 | 11/1/2026 | \$2,021,935.78 | 101.09679 | 100.80300 | \$2,016,060.00 | (\$5,875.78) | \$164,000.00 | 8.110 | 8.120 |
| \$1,000,000.00 | US WEST COMMUNICATIONS | 7.5 | 6/15/2023 | \$954,933.14 | 95.49331 | 70.19000 | \$701,900.00 | (\$253,033.14) | \$75,000.00 | 7.850 | 11.220 |
| \$2,000,000.00 | USF\&G CAPITAL II, SERIES B | 8.47 | 1/10/2027 | \$2,189,168.01 | 109.45840 | 100.50500 | \$2,010,100.00 | (\$179,068.01) | \$169,400.00 | 7.740 | 8.420 |
| \$3,000,000.00 | WORLDCOM INC. | 8.25 | 5/15/2031 | \$3,062,913.78 | 102.09713 | 15.75000 | \$472,500.00 | (\$2,590,413.78) | \$247,500.00 | 8.080 | 52.380 |
| \$3,275,000.00 | XEROX CAPITAL TRUST I CAP SEC. | 8 | 7/1/2027 | \$3,438,527.17 | 104.99320 | 42.00000 | \$1,375,500.00 | (\$2,063,027.17) | \$262,000.00 | 7.620 | 19.320 |
| \$3,000,000.00 | ZURICH CAPITAL TRUST I | 8.376 | 6/1/2037 | \$3,038,635.52 | 101.28785 | 94.67700 | \$2,840,310.00 | (\$198,325.52) | \$251,280.00 | 8.270 | 8.870 |
| 107,298,539.44 | TOTAL CORPORATE BONDS |  |  | 108,644,664.97 | 101.25456 |  | 103,402,524.81 | (\$5,242,140.16) | \$8,755,341.43 | 8.059 |  |
| 185,826,085.42 | BOND PORTFOLIO TOTALS |  |  | 186,296,628.08 | 100.25322 |  | 187,170,338.42 | 873,710.34 | 14,435,515.90 | 7.749 |  |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENT OWNED
JUNE 30, 2002
CORPORATE NOTES

| Date <br> Acquired | Description | Interest <br> Rate | Maturity <br> Date | Cost | Amount of <br> Interest | Maturity <br> Value |
| :--- | :--- | :--- | :--- | ---: | ---: | ---: |
| $6 / 24 / 2002$ | TRANSAMERICA ASSET FUNDING | 1.81 | $7 / 1 / 2002$ | $5,248,152.29$ | $1,847.71$ | $5,250,000.00$ |
| $6 / 28 / 2002$ | EMINENT FUNDING | 2.10 | $7 / 1 / 2002$ | $999,825.00$ | 175.00 | $1,000,000.00$ |
| $6 / 26 / 2002$ | NEPTUNE FUNDING | 1.86 | $7 / 2 / 2002$ | $5,998,140.00$ | $1,860.00$ | $6,000,000.00$ |
| $6 / 27 / 2002$ | STARBIRD FUNDING CORPORATION | 1.93 | $7 / 2 / 2002$ | $2,999,195.83$ | 804.17 | $3,000,000.00$ |
| $6 / 27 / 2002$ | FORTIS FUNDING | 1.83 | $7 / 5 / 2002$ | $1,999,186.67$ | 813.33 | $2,000,000.00$ |
| $6 / 24 / 2002$ | BEETHOVEN FUNDING CORPORATION | 1.83 | $7 / 8 / 2002$ | $5,246,263.75$ | $3,736.25$ | $5,250,000.00$ |
| $6 / 25 / 2002$ | WORLD OMNI VEHICLE LEASE | 1.84 | $7 / 9 / 2002$ | $2,498,211.11$ | $1,788.89$ | $2,500,000.00$ |
| $6 / 25 / 2002$ | THUNDER BAY FUNDING | 1.82 | $7 / 9 / 2002$ | $2,498,230.56$ | $1,769.44$ | $2,500,000.00$ |
| $6 / 27 / 2002$ | THREE CROWNS FUNDING | 1.85 | $7 / 10 / 2002$ | $1,998,663.89$ | $1,336.11$ | $2,000,000.00$ |
|  |  |  |  | $\mathbf{2 9 , 4 8 5 , 8 6 9 . 1 0}$ | $\mathbf{1 4 , 1 3 0 . 9 0}$ | $\mathbf{2 9 , 5 0 0 , 0 0 0 . 0 0}$ |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN INVESTMENTS OWNED
AS OF JUNE 30, 2002
COMMON STOCK PORTFOLIO

| Shares | Description | Div <br> Rate | Book Cost per Share | Book Cost | Market Price | Market Value | Annual Income | Gain or (Loss) Amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154000 | ABBOTT LABORATORIES | 0.94 | 29.64 | 4,564,582.15 | 37.65 | 5,798,100.00 | 144,760.00 | 1,233,517.85 |
| 106000 | ADOBE SYSTEMS | 0.05 | 34.15 | 3,620,406.40 | 28.50 | 3,021,000.00 | 5,300.00 | $(599,406.40)$ |
| 32000 | ALBERTO CULVER CO | 0.36 | 54.32 | 1,738,172.71 | 47.80 | 1,529,600.00 | 11,520.00 | (208,572.71) |
| 131000 | ALLSTATE CORPORATION | 0.84 | 30.12 | 3,945,857.11 | 36.98 | 4,844,380.00 | 110,040.00 | 898,522.89 |
| 78000 | ALLTEL CORPORATION | 1.36 | 63.48 | 4,951,086.95 | 47.00 | 3,666,000.00 | 106,080.00 | (1,285,086.95) |
| 124000 | AMERICAN EXPRESS | 1.28 | 35.21 | 4,365,955.88 | 36.32 | 4,503,680.00 | 158,720.00 | 137,724.12 |
| 170000 | AMERICAN INT'L GROUP | 0.19 | 39.17 | 6,659,194.90 | 68.23 | 11,599,100.00 | 32,300.00 | 4,939,905.10 |
| 24000 | AMERICAN STANDARD COMPANY INC | - | 76.56 | 1,837,451.75 | 75.10 | 1,802,400.00 | - | $(35,051.75)$ |
| 184000 | AMGEN | - | 39.09 | 7,192,026.57 | 41.88 | 7,705,920.00 |  | 513,893.43 |
| 100000 | ANALOG DEVICES, INC. | - | 77.78 | 7,777,626.20 | 29.70 | 2,970,000.00 | - | (4,807,626.20) |
| 178200 | APACHE CORPORATION | 0.40 | 48.33 | 8,612,950.00 | 57.48 | 10,242,936.00 | 71,280.00 | 1,629,986.00 |
| 438000 | APPLIED MATERIALS | - | 8.77 | 3,839,389.94 | 19.02 | 8,330,760.00 | - | 4,491,370.06 |
| 63000 | BIOGEN INC | - | 52.42 | 3,302,525.41 | 41.43 | 2,610,090.00 |  | (692,435.41) |
| 230000 | BJ SERVICES COMPANY | - | 38.20 | 8,787,004.51 | 33.88 | 7,792,400.00 | - | (994,604.51) |
| 116000 | BJ'S Wholesale club, INC. | - | 39.96 | 4,635,191.94 | 38.50 | 4,466,000.00 |  | $(169,191.94)$ |
| 139000 | BROADWING INC. | - | 24.71 | 3,434,036.66 | 2.60 | 361,400.00 | - | $(3,072,636.66)$ |
| 170000 | CABLEVISION SYSTEMS CORP | - | 45.79 | 7,784,872.96 | 9.46 | 1,608,200.00 | - | (6,176,672.96) |
| 54000 | CANADIAN NATIONAL RAILWAY | 0.55 | 47.15 | 2,546,230.04 | 51.80 | 2,797,200.00 | 29,700.00 | 250,969.96 |
| 31000 | CHEVRONTEXACO CORP | 2.80 | 83.70 | 2,594,661.20 | 88.50 | 2,743,500.00 | 86,800.00 | 148,838.80 |
| 82666 | CHOICEPOINT INCORPORATED | - | 39.02 | 3,225,282.80 | 45.47 | 3,758,823.02 | - | 533,540.22 |
| 460000 | CISCO SYSTEMS | - | 8.68 | 3,993,043.47 | 13.95 | 6,417,000.00 | - | 2,423,956.53 |
| 285333 | CITIGROUP, INC. | 0.72 | 43.32 | 12,359,485.18 | 38.75 | 11,056,653.75 | 205,439.76 | $(1,302,831.43)$ |
| 290000 | COMCAST CORP. | - | 32.64 | 9,465,307.56 | 23.84 | 6,913,600.00 | - | (2,551,707.56) |
| 31000 | CONSTELLATION ENERGY GROUP INC | 0.96 | 43.80 | 1,357,939.50 | 29.34 | 909,540.00 | 29,760.00 | $(448,399.50)$ |
| 410500 | COVAD COMMUNICATIONS GROUP | - | 38.66 | 15,871,207.45 | 1.18 | 484,390.00 | - | ( $15,386,817.45$ ) |
| 228000 | CYTYC CORPORATION | - | 16.40 | 3,739,091.20 | 7.62 | 1,737,360.00 | - | (2,001,731.20) |
| 86000 | ELECTRONICS BOUTIQUE HOLDINGS CORP. | - | 36.47 | 3,136,188.60 | 29.30 | 2,519,800.00 |  | $(616,388.60)$ |
| 246000 | EMC CORP | - | 9.34 | 2,296,411.47 | 7.55 | 1,857,300.00 | - | $(439,111.47)$ |
| 184000 | EXPRESS SCRIPTS | - | 21.07 | 3,877,393.41 | 50.11 | 9,220,240.00 | - | 5,342,846.59 |
| 275294 | EXXON MOBIL CORP | 0.92 | 36.93 | 10,167,645.16 | 40.92 | 11,265,030.48 | 253,270.48 | 1,097,385.32 |
| 62000 | FLEETBOSTON FINANCIAL CORPORATION | 1.40 | 37.91 | 2,350,477.80 | 32.35 | 2,005,700.00 | 86,800.00 | (344,777.80) |
| 25000 | FORTUNE BRANDS, INC. | 1.00 | 52.06 | 1,301,538.40 | 56.00 | 1,400,000.00 | 25,000.00 | 98,461.60 |
| 31000 | GENENTECH, INC. | - | 45.05 | 1,396,422.90 | 33.50 | 1,038,500.00 | - | (357,922.90) |
| 64000 | GENZYME CORPORATION | - | 57.57 | 3,684,187.80 | 19.24 | 1,231,360.00 | - | (2,452,827.80) |
| 98000 | GLOBALSANTAFE CORP | 0.13 | 34.58 | 3,389,123.50 | 27.35 | 2,680,300.00 | 12,740.00 | $(708,823.50)$ |
| 33000 | HEALTHSOUTH CORP | - | 15.03 | 495,904.20 | 12.79 | 422,070.00 | - | $(73,834.20)$ |
| 222000 | HOME DEPOT | 0.20 | 12.90 | 2,863,307.49 | 36.73 | 8,154,060.00 | 44,400.00 | 5,290,752.51 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN INVESTMENTS OWNED
AS OF JUNE 30, 2002
COMMON STOCK PORTFOLIO

| Shares | Description | Div <br> Rate | Book Cost per Share | Book Cost | Market <br> Price | Market Value | Annual Income | Gain or (Loss) Amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 246000 | INTEL CORPORATION | 0.08 | 21.34 | 5,250,330.85 | 18.27 | 4,494,420.00 | 19,680.00 | $(755,910.85)$ |
| 61000 | INTERNATIONAL BUSINESS MACH. | 0.60 | 33.06 | 2,016,494.78 | 72.00 | 4,392,000.00 | 36,600.00 | 2,375,505.22 |
| 124000 | JABIL CIRCUIT | - | 20.73 | 2,570,343.92 | 21.11 | 2,617,640.00 | - | 47,296.08 |
| 48000 | JACOBS ENGINEERING GROUP INC. | - | 30.23 | 1,451,042.40 | 34.78 | 1,669,440.00 | - | 218,397.60 |
| 170000 | JDS UNIPHASE CORPORATION | - | 70.58 | 11,999,266.90 | 2.67 | 453,900.00 | - | $(11,545,366.90)$ |
| 32000 | JOHNSON \& JOHNSON CO | 0.82 | 53.85 | 1,723,212.80 | 52.26 | 1,672,320.00 | 26,240.00 | $(50,892.80)$ |
| 138000 | JP MORGAN CHASE \& CO | 1.36 | 35.29 | 4,870,314.10 | 33.92 | 4,680,960.00 | 187,680.00 | $(189,354.10)$ |
| 92000 | KIMBERLY-CLARK CORPORATION | 1.20 | 53.23 | 4,897,193.98 | 62.00 | 5,704,000.00 | 110,400.00 | 806,806.02 |
| 61000 | KINDER MORGAN, INC. | 0.40 | 54.09 | 3,299,641.00 | 38.02 | 2,319,220.00 | 24,400.00 | $(980,421.00)$ |
| 18200 | LANDSTAR SYSTEMS, INC | - | 105.27 | 1,915,860.00 | 106.85 | 1,944,670.00 | - | 28,810.00 |
| 54000 | LENNAR CORPORATION | 0.05 | 43.64 | 2,356,328.44 | 61.20 | 3,304,800.00 | 2,700.00 | 948,471.56 |
| 77000 | LEXMARK INTERNATIONAL GROUP | - | 72.92 | 5,614,589.78 | 54.40 | 4,188,800.00 | - | (1,425,789.78) |
| 197000 | LSI LOGIC | - | 38.06 | 7,498,339.90 | 8.75 | 1,723,750.00 | - | (5,774,589.90) |
| 255000 | MBNA CORP | 0.28 | 19.26 | 4,911,670.06 | 33.07 | 8,432,850.00 | 71,400.00 | 3,521,179.94 |
| 60000 | MEDIMMUNE, INC. | - | 59.46 | 3,567,406.00 | 26.40 | 1,584,000.00 | - | $(1,983,406.00)$ |
| 48000 | MICROCHIP TECHNOLOGY INC. | - | 25.86 | 1,241,156.50 | 27.43 | 1,316,640.00 | - | 75,483.50 |
| 154000 | MICROSOFT CORPORATION | - | 80.73 | 12,433,158.01 | 54.70 | 8,423,800.00 | - | (4,009,358.01) |
| 31302 | MOHAWK INDUSTRIES | - | 71.17 | 2,227,696.41 | 61.53 | 1,926,012.06 | - | $(301,684.35)$ |
| 62000 | MOODY'S CORPORATION | 0.18 | 36.09 | 2,237,441.82 | 49.75 | 3,084,500.00 | 11,160.00 | 847,058.18 |
| 92000 | NABORS INDUSTRIES, LTD | - | 54.57 | 5,020,324.92 | 35.30 | 3,247,600.00 | - | (1,772,724.92) |
| 53000 | NATIONAL-OILWELL, INC. | - | 38.80 | 2,056,240.40 | 21.05 | 1,115,650.00 | - | $(940,590.40)$ |
| 38500 | NEWS CORPORATION | 0.05 | 22.68 | 873,168.88 | 22.93 | 882,805.00 | 1,925.00 | 9,636.12 |
| 108000 | NOBLE CORPORATION | - | 44.90 | 4,849,413.68 | 38.60 | 4,168,800.00 | - | $(680,613.68)$ |
| 63000 | OXFORD HEALTH PLANS, INC. | - | 26.97 | 1,699,244.08 | 46.46 | 2,926,980.00 | - | 1,227,735.92 |
| 186000 | P.F. CHANG'S CHINA BISTRO | - | 26.44 | 4,918,602.64 | 31.42 | 5,844,120.00 | - | 925,517.36 |
| 32000 | PACTIV CORPORATION | - | 16.00 | 512,060.80 | 23.80 | 761,600.00 | - | 249,539.20 |
| 78000 | PEPSICO INC. | 0.60 | 48.65 | 3,794,362.30 | 48.20 | 3,759,600.00 | 46,800.00 | (34,762.30) |
| 147750 | PFIZER INC. | 0.52 | 24.64 | 3,641,259.78 | 35.00 | 5,171,250.00 | 76,830.00 | 1,529,990.22 |
| 62000 | PHARMACEUTICAL PRODUCT DEVELOPMENT, | - | 24.05 | 1,491,164.60 | 26.34 | 1,633,080.00 | - | 141,915.40 |
| 109000 | PLANTRONICS, INC. | - | 26.82 | 2,923,352.10 | 19.01 | 2,072,090.00 | - | $(851,262.10)$ |
| 31000 | QUALCOMM INCORPORATED | - | 45.70 | 1,416,551.20 | 27.49 | 852,190.00 | - | (564,361.20) |
| 24000 | QUEST DIAGNOSTIC | - | 87.08 | 2,089,941.60 | 86.05 | 2,065,200.00 | - | $(24,741.60)$ |
| 220000 | SAFEWAY INC | - | 33.71 | 7,415,701.60 | 29.19 | 6,421,800.00 | - | $(993,901.60)$ |
| 338000 | SANMINA CORP. | - | 26.00 | 8,786,737.98 | 6.31 | 2,132,780.00 | - | (6,653,957.98) |
| 171000 | SCHOLASTIC CORPORATION | - | 28.62 | 4,894,244.90 | 37.90 | 6,480,900.00 | - | 1,586,655.10 |
| 108500 | SCP POOL CORPORATION | - | 26.60 | 2,886,050.61 | 27.76 | 3,011,960.00 | - | 125,909.39 |
| 31000 | SEARS, ROEBUCK AND COMPANY | 0.92 | 56.36 | 1,747,036.98 | 54.30 | 1,683,300.00 | 28,520.00 | $(63,736.98)$ |

STATE OF ARIZONA

## CORRECTIONS OFFICER RETIREMENT PLAN

INVESTMENTS OWNED
AS OF JUNE 30, 2002
COMMON STOCK PORTFOLIO

| Shares | Description | Div <br> Rate | Book Cost per Share | Book Cost | Market Price | Market Value | Annual Income | Gain or (Loss) Amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109000 | SEI INVESTMENTS COMPANY | 0.12 | 39.38 | 4,291,880.30 | 28.17 | 3,070,530.00 | 13,080.00 | (1,221,350.30) |
| 80000 | SEITEL, INC | - | 18.69 | 1,495,549.90 | 1.00 | 80,000.00 |  | (1,415,549.90) |
| 94000 | SIEBEL SYSTEMS | - | 34.90 | 3,280,381.40 | 14.22 | 1,336,680.00 |  | (1,943,701.40) |
| 185000 | SOLECTRON | - | 41.43 | 7,664,567.78 | 6.15 | 1,137,750.00 |  | (6,526,817.78) |
| 94000 | SPRINT CORPORATION (PCS GROUP) | - | 26.67 | 2,506,826.20 | 4.47 | 420,180.00 |  | (2,086,646.20) |
| 47000 | ST. JUDE MEDICAL | - | 81.51 | 3,830,992.90 | 73.85 | 3,470,950.00 | - | $(360,042.90)$ |
| 320000 | SYMANTEC CORPORATION | - | 24.76 | 7,921,722.00 | 32.85 | 10,512,000.00 | - | 2,590,278.00 |
| 87000 | T. ROWE PRICE GROUP INC | 0.64 | 39.60 | 3,445,415.80 | 32.88 | 2,860,560.00 | 55,680.00 | (584,855.80) |
| 123000 | TARGET CORP | 0.24 | 28.76 | 3,536,884.98 | 38.10 | 4,686,300.00 | 29,520.00 | 1,149,415.02 |
| 69000 | TENET HEALTHCARE CORPORATION | - | 45.45 | 3,135,716.70 | 71.55 | 4,936,950.00 | - | 1,801,233.30 |
| 77000 | TXU CORP | 2.40 | 41.09 | 3,163,685.74 | 51.55 | 3,969,350.00 | 184,800.00 | 805,664.26 |
| 290958 | TYCO INTERNATIONAL LTD. | 0.05 | 33.70 | 9,804,606.19 | 13.51 | 3,930,842.58 | 14,547.90 | (5,873,763.61) |
| 26000 | UNITED RENTALS, INC | - | 21.75 | 565,450.60 | 21.80 | 566,800.00 | - | 1,349.40 |
| 33000 | VALERO ENERGY CORPORATION | 0.40 | 50.03 | 1,650,970.20 | 37.42 | 1,234,860.00 | 13,200.00 | $(416,110.20)$ |
| 154000 | VISHAY INTERTECHNOLOGY INC | - | 26.63 | 4,101,625.30 | 22.00 | 3,388,000.00 | - | (713,625.30) |
| 306000 | VODAFONE GROUP PLC | 0.22 | 20.63 | 6,311,524.18 | 13.65 | 4,176,900.00 | 67,320.00 | (2,134,624.18) |
| 102000 | WALGREEN COMPANY | 0.15 | 16.15 | 1,646,919.02 | 38.63 | 3,940,260.00 | 15,300.00 | 2,293,340.98 |
| 105000 | WAL-MART STORES | 0.30 | 55.20 | 5,796,154.20 | 55.01 | 5,776,050.00 | 31,500.00 | $(20,104.20)$ |
| 32000 | WATERS CORPORATION | - | 34.30 | 1,097,552.00 | 26.70 | 854,400.00 | - | $(243,152.00)$ |
| 16000 | WHIRLPOOL CORP | 1.36 | 77.53 | 1,240,507.30 | 65.36 | 1,045,760.00 | 21,760.00 | (194,747.30) |
| 93000 | WILLIAMS COMPANIES, INC. | 0.80 | 39.36 | 3,660,928.83 | 5.99 | 557,070.00 | 74,400.00 | (3,103,858.83) |
| 80500 | WORLDCOM INC. | - | 32.92 | 2,649,879.29 | 0.83 | 66,815.00 | - | (2,583,064.29) |
|  | TOTAL COMMON STOCK |  |  | 403,055,868.68 |  | 341,648,827.89 | 2,579,353.14 | $(61,407,040.79)$ |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
INVESTMENTS OWNED
JUNE 30, 2002
OTHER INVESTMENTS PORTFOLIO

| Security | Coupon | Maturity | Book Cost | Current Value | Gain or Loss | Annual Income | Book Yield |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BRIDGE FINANCIAL LOANS |  |  |  |  |  |  |  |
| BRIDGE FINANCIAL--Dynamite Mtn. Ranch | 12.750 | 6/30/2002 | 401,415.01 | 401,415.01 | - | 51,180.41 | 12.8\% |
| BRIDGE FINANCIAL--Grand Inn | 12.500 | 9/25/2000 | 330,000.00 | 330,000.00 | - | 41,250.00 | 12.5\% |
| TOTAL BRIDGE FINANCIAL LOANS |  |  | 731,415.01 | 731,415.01 | - | 92,430.41 | 12.6\% |
| MISCELLANEOUS |  |  |  |  |  |  |  |
| PEBBLECREEK PROPERTIES | 10.00 | 4/1/2005 | 10,000.00 | 10,000.00 | - | 1,000.00 | 10.0\% |
| TOTAL MISCELLANEOUS |  |  | 10,000.00 | 10,000.00 | - | 1,000.00 | 10.0\% |
| TOTAL BEFORE LLC |  |  | 741,415.01 | 741,415.01 | - | 93,430.41 | 12.6\% |
| LLC |  |  |  |  |  |  |  |
| DESERT TROON, LLC |  |  | 3,720,000.00 | 3,720,000.00 |  |  |  |
| PIVOTAL X, LLC |  |  | 18,355,275.00 | 18,355,275.00 |  |  |  |
| TOTAL LLC |  |  | 22,075,275.00 | 22,075,275.00 |  |  |  |
| TOTAL OTHER INVESTMENTS |  |  | 22,816,690.01 | 22,816,690.01 |  |  |  |

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# ACTUARIAL SECTION 

CORRECTIONS OFFICER RETIREMENT PLAN SIXTEENTH COMPREHENSIVE ANNUAL FINANCIAL REPORT

FOR THE FISCAL YEAR ENDED
JUNE 30, 2002

Actuarial Certification Statement
Aggregate Actuarial Balance Sheet, June 30, 2002 Summary of Valuation Methods and Assumptions

Solvency Test
Summary of Active Member Data
Summary of Inactive Member Data
Schedule of Retirants and Beneficiaries
Schedule of Experience Gain / (Loss)

The Fund Manager<br>Arizona Corrections Officer Retirement Plan<br>1020 East Missouri<br>Phoenix, Arizona 85014-2613

Attention: Jack Cross, Administrator

The purpose of the annual actuarial valuations of the Arizona Corrections Officer Retirement Plan is to determine the liabilities and funding requirements for the participating groups. We certify that the June 30, 2002 annual actuarial valuations were made in accordance with recognized actuarial methods.

Data for the annual valuations was furnished by the Administrator and was checked by us for internal completeness and year to year consistency, but was not otherwise audited. The actuary prepared all of the schedules in the Actuarial Section and the Schedule of Funding Progress in the Financial Section of the Comprehensive Annual Financial Report.

The actuarial assumptions were adopted by the Fund Manager based upon the recommendations of the actuary and the results of experience studies, the most recent of which covered the 5 year period ended June 30, 1998. The assumptions and methods conform to the parameters established in Governmental Accounting Standards Board Statement 25. Actuarial gains (losses) are amortized as level percents of payroll over 20 years.

The funding value of assets is a smoothed market value which spreads differences between the actual and assumed investment return over a four year period.

On the basis of the June 30, 2002 valuation, it is our opinion that the liabilities of the Retirement Plan are being funded as incurred in accordance with sound actuarial principles. The excellent funded condition reflects the very favorable investment returns experienced by the Retirement Planearlier over the past decade.

Respectfully submitted,

2310 E. Eleven Mile Road
Royal Oak, Michigan 48067
(248) 399-8760

FAX (248) 399-8790

Joseph A. Nichols/sig
Joseph A. Nichols
Sandra W. Rodwan/sig
Sandra W. Rodwan

Members, American Academy of Actuaries

## Actuarial Assets

| Accrued Assets |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Member Accumulated contributions | \$ | 142,887,877 |  |  |
| Employer and benefit payment reserves |  | 538,425,989 |  |  |
| Funding value adjustment |  | 135,584,111 |  |  |
| Total accrued assets* |  |  | \$ | 816,897,977 |
| Prospective assets (computed value) |  |  |  |  |
| Member contributions | \$ | 219,366,408 |  |  |
| Employer normal costs |  | 105,984,783 |  |  |
| Employer unfunded actuarial accrued liability |  | $(150,208,099)$ |  |  |
| Total prospective assets |  |  | \$ | 175,143,092 |
| Total Actuarial Assets |  |  | \$ | 992,041,069 |
| *Includes $\$ 34,452,064$ reserve for payment of ad-hoc pension increases. The net funding value of assets is $\$ 782,445,913$. |  |  |  |  |
| Actuarial Present Values (Liability) |  |  |  |  |
| Pensions in payment status |  |  |  |  |
| Service pensions | \$ | 132,492,939 |  |  |
| Disability pensions |  | 10,407,000 |  |  |
| Survivor pensions |  | 23,173,593 |  |  |
| Health insurance |  | 19,520,644 |  |  |
| Total Benefit values |  |  | \$ | 185,594,176 |
| Prospective pension payments (future retiremen |  |  |  | 687,690,045 |
| Prospective health insurance payments (future retirements) |  |  |  | 37,703,638 |
| Prospective refunds of member contributions |  |  |  | 46,601,146 |
| Reserve for future pension increases |  |  | \$ | 34,452,064 |
| Total Actuarial Present Values (Liability) |  |  | \$ | 992,041,069 |

## Summary of Plan Provisions

See Note 1 in the Notes to the Financial Statements.
Summary of Valuation Methods
Normal Cost. Normal cost and the allocation of actuarial present values between service rendered before and after the valuation date were determined using an individual entry age actuarial cost method having the following characteristics:

* The annual normal costs for each individual active member, payable from date of hire to date of retirement, are sufficient to accumulate the value of the member's benefit at the time of retirement;
* Each annual normal cost is a constant percentage of the member's year-by-year projected covered pay.

Actuarial Accrued Liability. The actuarial accrued liability allocated to service rendered prior to the valuation date, including experience gains and losses, was computed using the assumptions summarized in this report. Accrued valuation assets were subtracted from the computed actuarial accrued liability. Any unfunded amount was amortized as level percent of payroll over an open period of 20 years. If accrued valuation assets exceed the actuarial accrued liability, the excess is amortized over an open period of 20 years and applied as a credit to reduce the normal cost which otherwise would be payable.

Active member payroll was assumed to increase \% annually for the purpose of computing the amortization payment (credit) as a level percent of payroll.

## Summary of Valuation Assumptions

## Economic Assumptions

The rate of investment return (net of expenses) used was 9.0 percent a year, compounded annually. The assumption consists of $3.5 \%$ for assuming maturity and principal risks and $5.5 \%$ in recognition of inflation.

This assumption, adopted by the Fund Manager, as recommended by the Plan's actuary, is used to discount the value of future payments, and was first used for the June 30, 1987 annual valuation.

The rates of salary increase used are in accordance with the following table. The assumption is used to project current salaries to those upon which pension amounts will be based. This assumption, adopted by the Fund Manager, as recommended by the Plan's actuary, was first used for the June 30, 1987 annual valuation.

## Sample Annual Rates of Salary Increase

| Age | Across-the- <br> Board | Merit and <br> Longevity | Other | Total |
| :---: | :---: | :---: | :---: | :---: |
| 20 to 25 | $5.5 \%$ | $3.0 \%$ | $1.0 \%$ | $9.5 \%$ |
| 30 | 5.5 | 2.6 | 1.0 | 9.1 |
| 35 | 5.5 | 1.1 | 1.0 | 7.6 |
| 40 to 50 | 5.5 | 0.2 | 1.0 | 6.7 |
| 55 | 5.5 | 0.1 | 1.0 | 6.6 |
| 60 | 5.5 | - | 1.0 | 6.5 |
| 65 | 5.5 | - | 1.0 | 6.5 |

## Demographic Assumptions

* Non-Disability Mortality rates: 1971 Group Annuity Mortality Table Projected to 2000 (Male), female ages set back six years. (first used for June 30, 1999 valuation.)
* Disability Mortality Rates: 1971 Group Annuity Mortality Table Projected to 1984 (Male), female ages set back six years.

| Sample Ages | Single Life Retirement Values |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Non-Disability Table |  | Disability Table |  | Non-Disability Table <br> Future Life Expectancy (Years) |  | Disability Table <br> Future Life <br> Expectancy (Years) |  |
|  | Present Value of \$100 Monthly For Life |  | Present Value of \$100 Monthly For Life |  |  |  |  |  |
|  | Men | Women | Men | Women | Men | Women | Men | Women |
| 20 |  |  |  |  | 56.86 | 62.72 | 55.98 | 61.84 |
| 25 |  |  |  |  | 51.98 | 57.83 | 51.12 | 56.96 |
| 30 |  |  |  |  | 47.12 | 52.95 | 46.27 | 52.09 |
| 35 |  |  |  |  | 42.29 | 48.09 | 41.46 | 47.24 |
| 40 | \$12,930 | \$13,272 | \$12,861 | \$13,225 | 37.51 | 43.25 | 36.69 | 42.42 |
|  |  |  |  |  |  |  |  |  |
| 45 | 12,522 | 12,997 | 12,430 | 12,933 | 32.80 | 38.46 | 32.01 | 37.64 |
| 50 | 11,997 | 12,613 | 11,879 | 12,526 | 28.28 | 33.73 | 27.53 | 32.93 |
| 55 | 11,342 | 12,112 | 11,199 | 11,999 | 23.98 | 29.17 | 23.28 | 28.40 |
| 60 | 10,513 | 11,485 | 10,346 | 11,347 | 19.90 | 24.82 | 19.27 | 24.11 |
| 65 | 9,490 | 10,694 | 9,308 | 10,532 | 16.09 | 20.70 | 15.55 | 20.05 |
|  |  |  |  |  |  |  |  |  |
| 70 | 8,326 | 9,710 | 8,145 | 9,530 | 12.69 | 16.82 | 12.25 | 16.27 |
| 75 | 7,124 | 8,564 | 6,963 | 8,382 | 9.82 | 13.32 | 9.49 | 12.87 |
| 80 | 5,879 | 7,371 | 5,748 | 7,206 | 7.39 | 10.36 | 7.17 | 10.02 |
| 85 | 4,791 | 6,120 | 4,696 | 5,983 | 5.57 | 7.83 | 5.43 | 7.59 |
| 90 | 3,864 | 4,994 | 3,796 | 4,893 | 4.19 | 5.89 | 4.10 | 5.74 |

Termination of Employment: Service-related rates for first five years of employment and age-related rates after first five years of employment. The sample rates are as follows:

| Sample Ages | Years of Service | Percent of Active Members |  |
| :---: | :---: | :---: | :---: |
|  |  | Separating Within the Year | Disabled Within the Year |
| All | 0 | 30.0\% |  |
|  | 1 | 25.0 | (all years of service) |
|  | 2 | 20.0 |  |
|  | 3 | 15.0 |  |
|  | 4 | 12.0 |  |
| 25 | 5 and over | 7.0 | 0.08\% |
| 30 |  | 7.0 | 0.10 |
| 35 |  | 7.0 | 0.12 |
| 40 |  | 6.0 | 0.25 |
| 45 |  | 6.0 | 0.33 |
| 50 |  | 5.0 | 0.40 |
| 55 |  | 5.0 | 0.47 |
| 60 |  | 5.0 | 0.50 |

Rates first used for June 30, 1999 valuation
Retirement Rates: Age-related rates based on the following schedule:

Percent of Active Members Retiring within Year Following Attainment of Indicated Retirement Age

| Age | Percent of Active Members Retiring <br> During Next Year |
| :---: | :---: |
| 40 to 59 | $25 \%$ |
| 60 to 61 | 30 |
| 62 to 64 | 40 |
| 65 | 100 |

Active members are eligible to retire at any age with 20 years of service, at age 62 with 10 years of service or when the sum of age and service equals at least 80 .

These rates, adopted by the Fund Manager, as recommended by the Plan's actuary, were first used for the June 30, 1999 valuations.

# STATE OF ARIZONA CORRECTIONS OFFICER RETIREMENT PLAN SOLVENCY TEST 

SOLVENCY TEST - Testing the financial solvency of a retirement plan can be done in several ways. The funding objective is to meet long-term benefit promises through contributions that remain approximately level from year to year as a percent of member payroll. If the contributions to the plan are level in concept and soundly executed, and if the plan continues its present operations pattern for the indefinite future, the plan will pay all promised benefits when due-the ultimate test of financial soundness.

A short term solvency test is one means of checking a plan's progress under its funding program. In a short term solvency test, the plan's present assets (cash and investments) are compared with:

1. Active member contributions on deposit;
2. The liabilities for future benefits to present retired lives;
3. The liabilities for service already rendered by active members.

In a plan that has been following the discipline of level percent of payroll financing, the liabilities for active member contributions on deposit (liability 1) and the liabilities for future benefits to present retired lives (liability 2 ) will be fully covered by present assets (except in rare circumstances). In addition, the liabilities for service already rendered by active members (liability 3) will be partially covered by the remainder of present assets. Generally, if the plan has been using level cost financing, the funded portion of liability 3 will increase over time. Liability 3 being fully funded is very rare. All amounts presented are in thousands.

Aggregate Accrued Liabilities for

| Valuation Date |  |  |  |  |  |  | Valuation Assets Available for Benefits (2) |  | Portion of Accrued Liabilites Covered by Net Assets Available for Benefits |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (1) <br> Active <br> Member <br> Contributions |  | (2) <br> Retirants And Beneficiaries |  | (3) <br> Active <br> Members <br> (Employer <br> Financed <br> Portion) |  |  |  |  |  |  |
|  |  |  | (1) | (2) |  |  | (3) |  |  |  |
| 6-30-87 | \$ | 21,780 |  |  | \$ | 982 |  |  | \$ | 46,170 | \$ | 47,550 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-88 | \$ | 29,173 | \$ | 3,062 | \$ | 44,649 | \$ | 69,842 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-89 ${ }^{1}$ | \$ | 33,509 | \$ | 5,473 | \$ | 60,131 | \$ | 88,756 | 100.0\% | 100.0\% | 100.0\% |
| $6-30-90^{1}$ | \$ | 38,021 | \$ | 7,177 | \$ | 77,380 | \$ | 108,973 | 100.0\% | 100.0\% | 96.4\% |
| $6-30-91{ }^{1}$ | \$ | 45,827 | \$ | 11,457 | \$ | 89,016 | \$ | 138,901 | 100.0\% | 100.0\% | 95.0\% |
| 6-30-92 | \$ | 51,610 | \$ | 16,527 | \$ | 95,503 | \$ | 168,553 | 100.0\% | 100.0\% | 98.7\% |
| 6-30-93 * | \$ | 57,143 | \$ | 21,924 | \$ | 105,232 | \$ | 198,692 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-94 ${ }^{1}$ | \$ | 62,219 | \$ | 26,556 | \$ | 133,072 | \$ | 223,847 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-95 | \$ | 67,694 | \$ | 34,141 | \$ | 152,354 | \$ | 265,006 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-96 * | \$ | 74,927 | \$ | 41,777 | \$ | 173,814 | \$ | 319,255 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-97 *1 | \$ | 82,948 | \$ | 52,028 | \$ | 220,614 | \$ | 393,904 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-98 | \$ | 93,758 | \$ | 66,343 | \$ | 250,430 | \$ | 484,956 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-99 | \$ | 106,390 | \$ | 95,116 | \$ | 242,170 | \$ | 592,152 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-00 | \$ | 119,562 | \$ | 107,650 | \$ | 274,111 | \$ | 704,991 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-01 | \$ | 132,404 | \$ | 133,492 | \$ | 288,491 | \$ | 776,177 | 100.0\% | 100.0\% | 100.0\% |
| 6-30-02 | \$ | 143,888 | \$ | 185,594 | \$ | 303,756 | \$ | 782,446 | 100.0\% | 100.0\% | 100.0\% |

See notes on page 26.

STATE OF ARIZONA

## CORRECTIONS OFFICER RETIREMENT PLAN

 SUMMARY OF ACTIVE MEMBER DATAListed below is a summary of Active Members by age group, years of service and annual compensation. The summary points out that there were 10,464 members in the Plan as of June 30, 2001, compared to 11,047 for the prior year.

| Attained Age | Years of Service to Valuation Date |  |  |  |  |  |  | Totals |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | No. | Valuation |  |
|  | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30 Plus |  |  | Payroll |
| $<20$ | 28 |  |  |  |  |  |  | 28 | \$ | 726,462 |
| 20-24 | 791 | 3 |  |  |  |  |  | 794 | \$ | 20,877,851 |
| 25-29 | 1,495 | 242 |  |  |  |  |  | 1,737 | \$ | 48,449,300 |
| 30-34 | 1,176 | 528 | 114 | 1 |  |  |  | 1,819 | \$ | 54,115,828 |
| 35-39 | 740 | 404 | 274 | 76 |  |  |  | 1,494 | \$ | 47,214,259 |
| 40-44 | 652 | 330 | 238 | 166 | 29 | 4 |  | 1,419 | \$ | 46,961,035 |
| 45-49 | 455 | 253 | 178 | 168 | 61 | 5 |  | 1,120 | \$ | 38,035,192 |
| 50-54 | 340 | 221 | 157 | 179 | 67 | 13 | 1 | 978 | \$ | 34,912,740 |
| 55-59 | 223 | 168 | 137 | 126 | 33 | 11 | 2 | 700 | \$ | 25,325,346 |
| 60-69 | 108 | 97 | 70 | 72 | 17 | 4 |  | 368 | \$ | 13,579,399 |
| 70+ | 4 | 1 | 1 |  |  |  | 1 | 7 | \$ | 230,388 |
| Totals | 6,012 | 2,247 | 1,169 | 788 | 207 | 37 | 4 | 10,464 | \$ | 330,427,800 |

Listed below is a Comparative Schedule of the changes in active members since 6-30-87:
COMPARATIVE SCHEDULE

| FiscalYearEnded | Employer Units | Active <br> Members | Total Payroll (+000) |  | Averages |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Age (years) | Service (years) | Pay | Increase in Average Pay |
| 6-30-87 | 11 | 4,936 | \$ | 102,910 | 38.0 | 3.5 | \$20,849 |  |
| 6-30-88 | 11 | 5,702 | \$ | 117,234 | 37.6 | 3.4 | \$20,560 | -1.4\% |
| 6-30-89 | 11 | 6,246 | \$ | 134,520 | 37.4 | 4.0 | \$21,537 | 4.8\% |
| 6-30-90 | 11 | 6,478 | \$ | 136,693 | 37.8 | 4.4 | \$21,101 | -2.0\% |
| 6-30-91 | 11 | 6,867 | \$ | 153,351 | 38.0 | 4.6 | \$22,332 | 5.8\% |
| 6-30-92 | 11 | 7,091 | \$ | 156,257 | 38.1 | 5.0 | \$22,036 | -1.3\% |
| 6-30-93 | 12 | 7,550 | \$ | 166,831 | 38.2 | 5.2 | \$22,097 | 0.3\% |
| 6-30-94 | 12 | 7,828 | \$ | 177,717 | 38.3 | 5.3 | \$22,703 | 2.7\% |
| 6-30-95 | 12 | 8,365 | \$ | 198,603 | 38.2 | 5.3 | \$23,742 | 4.6\% |
| 6-30-96 | 12 | 8,945 | \$ | 224,686 | 38.0 | 5.2 | \$25,119 | 5.8\% |
| 6-30-97 | 12 | 9,728 | \$ | 249,203 | 38.1 | 5.3 | \$25,617 | 2.0\% |
| 6-30-98 | 12 | 9,571 | \$ | 261,700 | 38.2 | 5.5 | \$27,343 | 6.7\% |
| 6-30-99 | 12 | 10,901 | \$ | 305,478 | 37.8 | 5.2 | \$28,023 | 2.5\% |
| 6-30-00 | 12 | 11,290 | \$ | 339,440 | 38.1 | 5.3 | \$30,066 | 7.3\% |
| 6-30-01 | 12 | 11,047 | \$ | 339,783 | 38.1 | 6.6 | \$30,758 | 2.3\% |
| 6-30-02 | 12 | 10,464 | \$ | 330,428 | 38.7 | 6.0 | \$31,578 | 2.7\% |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
SUMMARY OF INACTIVE MEMBER DATA
SCHEDULE OF RETIRANTS AND BENEFICIARIES

## INACTIVE MEMBERS

| Attained | Years of Service to Valuation Date |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Age | $\mathbf{0 - 4}$ | $\mathbf{5 - 9}$ | $\mathbf{1 0 - 1 4}$ | $\mathbf{1 5 - 1 9}$ | $\mathbf{2 0 +}$ | Totals |
| $<20$ | 3 |  |  |  |  | 3 |
| $20-29$ | 287 | 13 |  |  |  | 300 |
| $30-39$ | 264 | 21 | 11 |  |  | 296 |
| $40-44$ | 82 | 20 | 5 | 5 | 1 | 113 |
| $45-49$ | 70 | 13 | 11 | 7 |  | 101 |
| $50-54$ | 57 | 19 | 19 | 8 |  | 103 |
| $55-59$ | 59 | 9 | 16 | 9 | 4 | 97 |
| $60-69$ | 28 | 6 | 20 | 7 | 2 | 63 |
| $70+$ | 3 |  |  |  |  | 3 |
| Totals | $\mathbf{8 5 3}$ | $\mathbf{1 0 1}$ | $\mathbf{8 2}$ | $\mathbf{3 6}$ | $\mathbf{7}$ | $\mathbf{1 , 0 7 9}$ |

RETIRANTS AND BENEFICIARIES

| Valuation Date | Number Removed From Roles | Number Added to Roles | Totals |  | Annual Pensions | Percent Increase | Average Pension |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6/30/1992 | 2 | 70 | 226 | \$ | 1,631,420 | 41.5\% | \$ | 17,606 |
| 6/30/1993 | 5 | 74 | 295 | \$ | 2,203,198 | 35.0\% | \$ | 19,182 |
| 6/30/1994 | 4 | 65 | 356 | \$ | 2,710,269 | 23.0\% | \$ | 20,707 |
| 6/30/1995 | 8 | 87 | 435 | \$ | 3,456,705 | 27.5\% | \$ | 21,608 |
| 6/30/1996 | 12 | 81 | 504 | \$ | 4,274,602 | 23.7\% | \$ | 22,541 |
| 6/30/1997 | 12 | 106 | 598 | \$ | 5,305,705 | 24.1\% | \$ | 23,508 |
| 6/30/1998 | 15 | 125 | 708 | \$ | 6,884,614 | 29.8\% | \$ | 24,584 |
| 6/30/1999 | 21 | 138 | 825 | \$ | 9,642,797 | 40.1\% | \$ | 26,211 |
| 6/30/2000 | 25 | 125 | 925 | \$ | 11,042,151 | 14.5\% | \$ | 11,937 |
| 6/30/2001 | 40 | 155 | 1,040 | \$ | 13,446,069 | 21.8\% |  | 12,929 |
| 6/30/2002 | 30 | 208 | 1,218 | \$ | 17,660,064 | 31.3\% | \$ | 14,499 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN SCHEDULE OF EXPERIENCE GAIN/(LOSS)

YEAR ENDED JUNE 30, 2002

## DERIVATION

(1) UAAL* at start of year
(2) Normal cost for year
(3) Funding Method Contribution
(4) Interest accrued on (1), (2) and (3)
(5) Expected UAAL before changes
$[(1)+(2)-(3)+(4)]$
(6) Effect of assumption changes***
(7) Effect of cost method changes
(8) Expected UAAL after changes
(9) Actual UAAL
(10) Gain/(Loss) (9)-(10)
(11) As \% of $A A^{* *}$ at beginning of year

* Unfunded actuarial accrued liability
** Actuarial accrued liability
*** Estimated
$\$ \quad(221,790,354)$
48,554,947
$(36,633,478)$
$(19,424,666)$
$(229,293,551)$
11,677,000
None
$(217,616,551)$
$(150,208,099)$
$\$ \quad(67,408,452)$
12.2\%

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## STATISTICAL SECTION

CORRECTIONS OFFICER RETIREMENT PLAN SIXTEENTH COMPREHENSIVE ANNUAL FINANCIAL REPORT<br>FOR THE FISCAL YEAR ENDED<br>JUNE 30, 2002

Schedule of Revenues by Source and Expenses by Type Schedule of Benefit Expenses by Type Summary of Retired Member and Survivor Data Summary of Benefit Increases

Participating Employers
Summary of Growth of the System

| FYE | REVENUES Employer |  |  | Net Investment Income*** | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Member ** Contributions | Contributions* | \% of Annual Covered Payroll |  |  |
| 1993 | \$10,864,248 | \$10,099,143 | 6.22\% | \$15,833,256 | \$36,796,647 |
|  | 30\% | 27\% |  | 43\% | 100\% |
| 1994 | \$11,466,654 | \$10,032,668 | 5.83\% | \$12,564,499 | \$34,063,821 |
|  | 34\% | 29\% |  | 37\% | 100\% |
| 1995 | \$12,759,059 | \$10,565,831 | 5.54\% | \$23,730,177 | \$47,055,067 |
|  | 27\% | 23\% |  | 50\% | 100\% |
| 1996 | \$14,456,281 | \$14,371,254 | 6.66\% | \$44,235,782 | \$73,063,317 |
|  | 20\% | 20\% |  | 60\% | 100\% |
| 1997 | \$16,052,492 | \$16,704,445 | 6.93\% | \$80,841,733 | \$113,598,670 |
|  | 14\% | 15\% |  | 71\% | 100\% |
| 1998 | \$21,647,490 | \$17,063,015 | 6.63\% | \$99,003,314 | \$137,713,819 |
|  | 16\% | 12\% |  | 72\% | 100\% |
| 1999 | \$24,808,816 | \$17,109,704 | 5.98\% | \$102,169,586 | \$144,088,106 |
|  | 17\% | 12\% |  | 71\% | 100\% |
| 2000 | \$28,009,210 | \$16,876,163 | 5.14\% | \$92,772,177 | \$137,657,550 |
|  | 21\% | 12\% |  | 67\% | 100\% |
| 2001 | \$28,966,162 | \$14,927,396 | 1.88\% | (\$138,559,756) | $(\$ 94,666,198)$ |
|  | -31\% | -15\% |  | 146\% | 100\% |
| 2002 | \$29,532,366 | \$7,101,112 | 1.15\% | (\$100,518,025) | (\$63,884,547) |
|  | -46\% | -11\% |  | 157\% | 100\% |
| EXPENSES |  | Administrative Expenses**** |  |  |  |
| FYE | Benefits |  |  | Refunds | Total |
| 1993 | \$2,292,052 | \$252,855 |  | \$4,008,570 | \$6,553,477 |
|  | 35\% | 4\% |  | 61\% | 100\% |
| 1994 | \$2,834,598 | \$245,568 |  | \$5,024,767 | \$8,104,933 |
|  | 35\% | 3\% |  | 62\% | 100\% |
| 1995 | \$3,390,108 | \$285,989 |  | \$5,779,554 | \$9,455,651 |
|  | 36\% | 3\% |  | 61\% | 100\% |
| 1996 | \$4,312,487 | \$281,224 |  | \$5,979,772 | \$10,573,483 |
|  | 41\% | 3\% |  | 56\% | 100\% |
| 1997 | \$5,280,996 | \$292,893 |  | \$6,918,704 | \$12,492,593 |
|  | 42\% | 2\% |  | 56\% | 100\% |
| 1998 | \$6,883,596 | \$329,550 |  | \$8,416,350 | \$15,629,496 |
|  | 44\% | 2\% |  | 54\% | 100\% |
| 1999 | \$8,917,450 | \$348,302 |  | \$9,043,573 | \$18,309,325 |
|  | 49\% | 2\% |  | 49\% | 100\% |
| 2000 | \$10,777,009 | \$344,542 |  | \$14,385,327 | \$25,506,878 |
|  | 42\% | 2\% |  | 56\% | 100\% |
| 2001 | \$13,433,499 | \$365,742 |  | \$14,609,539 | \$28,408,780 |
|  | 47\% | 2\% |  | 51\% | 100\% |
| 2002 | \$17,576,451 | \$397,110 |  | \$14,271,104 | \$32,244,665 |
|  | 55\% | 2\% |  | 43\% | 100\% |

NOTE: *Contributions were made in accordance with actuarially determined contribution requirements.
**The member contribution rate is $6.65 \%$ of covered payroll, $8.5 \%$ after $7 / 21 / 98$.
***Prior to fiscal year 1996, Investment income includes only realized gains and losses. See note 2.
***Prior to fiscal year 1996, Investment Expenses were not broken out from Administrative and Investment Expenses. However, for the fiscal years 1996-present, Investment expenses are now shown net in Investment Income as opposed to inclusion with Administrative Expenses as in prior reports.

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN SCHEDULE OF BENEFIT EXPENSES BY TYPE

| Fiscal <br> Year | Normal <br> Benefits | Disability <br> Benefits | Survivor <br> Benefits | Insurance <br> Benefits | Totals |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1 9 8 8}$ | $\$ 158,461$ | $\$ 4,382$ | $\$ 65,620$ | - | $\$ 228,463$ |
|  | $69 \%$ | $2 \%$ | $29 \%$ |  | $100 \%$ |
| 1989 | $\$ 314,249$ | $\$ 19,611$ | $\$ 132,143$ | - | $\$ 466,003$ |
|  | $68 \%$ | $4 \%$ | $28 \%$ |  | $100 \%$ |
| 1990 | $\$ 455,345$ | $\$ 31,387$ | $\$ 210,017$ | - | $\$ 696,749$ |
|  | $65 \%$ | $5 \%$ | $30 \%$ |  | $100 \%$ |
| 1991 | $\$ 685,114$ | $\$ 44,941$ | $\$ 347,457$ | $\$ 62,366$ | $\$ 1,139,878$ |
|  | $60 \%$ | $4 \%$ | $31 \%$ | $5 \%$ | $100 \%$ |
| $\mathbf{1 9 9 2}$ | $\$ 1,031,785$ | $\$ 55,783$ | $\$ 479,846$ | $\$ 125,620$ | $\$ 1,693,034$ |
|  | $61 \%$ | $3 \%$ | $28 \%$ | $8 \%$ | $100 \%$ |
| $\mathbf{1 9 9 3}$ | $\$ 1,390,554$ | $\$ 77,305$ | $\$ 661,349$ | $\$ 162,844$ | $\$ 2,292,052$ |
|  | $61 \%$ | $3 \%$ | $29 \%$ | $7 \%$ | $100 \%$ |
| $\mathbf{1 9 9 4}$ | $\$ 1,727,201$ | $\$ 165,818$ | $\$ 745,568$ | $\$ 196,011$ | $\$ 2,834,598$ |
|  | $61 \%$ | $6 \%$ | $26 \%$ | $7 \%$ | $100 \%$ |
| $\mathbf{1 9 9 5}$ | $\$ 2,182,356$ | $\$ 220,204$ | $\$ 747,598$ | $\$ 239,950$ | $\$ 3,390,108$ |
|  | $64 \%$ | $7 \%$ | $22 \%$ | $7 \%$ | $100 \%$ |
| $\mathbf{1 9 9 6}$ | $\$ 2,831,205$ | $\$ 273,769$ | $\$ 915,429$ | $\$ 292,084$ | $\$ 4,312,487$ |
|  | $66 \%$ | $6 \%$ | $21 \%$ | $7 \%$ | $100 \%$ |
| $\mathbf{1 9 9 7}$ | $\$ 3,561,512$ | $\$ 353,098$ | $\$ 1,014,073$ | $\$ 352,313$ | $\$ 5,280,996$ |
|  | $67 \%$ | $7 \%$ | $19 \%$ | $7 \%$ | $100 \%$ |
| $\mathbf{1 9 9 8}$ | $\$ 4,713,170$ | $\$ 481,804$ | $\$ 1,223,055$ | $\$ 465,567$ | $\$ 6,883,596$ |
|  | $68 \%$ | $7 \%$ | $18 \%$ | $7 \%$ | $100 \%$ |
| $\mathbf{1 9 9 9}$ | $\$ 5,957,350$ | $\$ 614,275$ | $\$ 1,801,580$ | $\$ 544,245$ | $\$ 8,917,450$ |
|  | $67 \%$ | $7 \%$ | $20 \%$ | $6 \%$ | $100 \%$ |
| $\mathbf{2 0 0 0}$ | $\$ 7,416,745$ | $\$ 706,266$ | $\$ 2,013,181$ | $\$ 640,817$ | $\$ 10,777,009$ |
|  | $69 \%$ | $6 \%$ | $19 \%$ | $6 \%$ | $100 \%$ |
| $\mathbf{2 0 0 1}$ | $\$ 9,266,426$ | $\$ 849,350$ | $\$ 2,587,972$ | $\$ 729,751$ | $\$ 13,433,499$ |
|  | $69 \%$ | $6 \%$ | $19 \%$ | $6 \%$ | $100 \%$ |
| $\mathbf{2 0 0 2}$ | $\$ 12,301,106$ | $\$ 986,621$ | $\$ 2,494,885$ | $\$ 1,793,839$ | $\$ 17,576,451$ |
|  | $70 \%$ | $6 \%$ | $14 \%$ | $10 \%$ | $100 \%$ |
|  |  |  |  |  |  |

STATE OF ARIZONA

## CORRECTIONS OFFICER RETIREMENT PLAN SUMMARY OF RETIRED MEMBER AND SURVIVOR DATA

The following summary presents an analysis of the benefit changes that have taken place during the past 16 years. The number of retired members and the amount of annual pensions has increased at compounded annual rates of $15.3 \%$ and $27.2 \%$ over the last five years.

COMPARATIVE SCHEDULE

| Year Ended <br> June 30 | Retired |  |  |  |  |  | Annual <br> Pensions |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | | Average |
| :---: |
| Pension |$\quad$| Ratio of |
| :---: |
| Active to |
| Retired |

Set forth below is a summary of pensions being paid to retired members and survivors:
SUMMARY OF RETIRED MEMBERS AND SURVIVORS - JUNE 30, 2002

| Pensions Being Paid | Number | Annual Pensions |  | Average Pensions |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Retired Members - Service Pensions | 903 | \$ | 14,103,900 | \$ | 15,619 |
| - Disability Pensions | 68 | \$ | 1,010,628 | \$ | 14,862 |
| Totals | 971 | \$ | 15,114,528 | \$ | 15,566 |
| Survivors of Members - Spouses | 228 | \$ | 2,369,700 | \$ | 10,393 |
| - Children with Guardians | 19 | \$ | 175,836 | \$ | 9,255 |
| Totals | 247 | \$ | 2,545,536 | \$ | 10,306 |
| Total Pensions Being Paid | 1,218 | \$ | 17,660,064 | \$ | 14,499 |


|  | Average <br> Age | Average <br> Service (yrs) | Average Age at <br> Retirement (yrs) |
| :--- | :---: | :---: | :---: |
| Normal retired members | 65.2 | 17.9 | 60.4 |
| Disability retired members | 50.7 | 10.2 | 45.6 |
| Spouse beneficiaries | 58.9 | 11.0 | 51.2 |

STATE OF ARIZONA
CORRECTIONS OFFICER RETIREMENT PLAN
SUMMARY OF BENEFIT INCREASES
State law provides for an annual benefit increase for retirees or their survivors who are over age fifty-five on the effective day of the increase and for disability retirees regardless of age. These increases are dependent upon the production of excess earnings on part of the assets of the Fund and are limited to four percent of the average benefit being paid to retirees and their survivors. The following schedule summarizes the statutorily-designed process of calculating the monthly benefit increases effective each July 1st.

BENEFIT INCREASE SCHEDULE

| Fiscal Year Ended | Excess Excess <br> Yield per <br> Statute* <br> Earnings  <br> Assets**  | Excess Earnings | Monthly Benefit Increase Fundable | Maximum per Statutory 4\% Cap | Lesser of Two Increase Awarded |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6/30/1991 | 0.50\% \$ 11,456,784 | \$ 57,284 |  |  |  |
|  | Amount available: 7-1-92 increase Investment earnings on balance Amount utilized: <br> 7-1-92 increase | $\begin{array}{r} 57,284 \\ 5,322 \end{array}$ | None | \$24.64 | None |
| 6/30/1992 | 0.29\% \$ 16,527,313 | \$ 47,929 |  |  |  |
|  | Amount available: 7-1-93 increase Investment earnings on balance Amount utilized: 7-1-93 increase | $\begin{array}{r} 110,535 \\ 9,992 \\ (93,840) \end{array}$ | \$5 | \$24.06 | \$5.00 |
| 6/30/1993 | 0.04\% \$ 21,923,868 | \$ 8,770 |  |  |  |
|  | Amount available: 7-1-94 increase Investment earnings on balance Amount utilized: 7-1-94 increase | $\begin{array}{r} 35,457 \\ 2,177 \end{array}$ | None | \$24.89 | None |
| 6/30/1994 | 0.00\% \$ 26,556,396 | \$ |  |  |  |
|  | Amount available: 7-1-95 increase Investment earnings on balance Amount utilized: 7-1-95 increase | $\begin{array}{r} 37,634 \\ 3,880 \end{array}$ | None | \$25.38 | None |
| 6/30/1995 | 1.31\% \$ 34,140,660 | \$ 447,241 |  |  |  |
|  | Amount available: 7-1-96 increase Investment earnings on balance Amount utilized: 7-1-96 increase | $\begin{array}{r} 488,755 \\ 53,519 \\ (397,082) \end{array}$ | \$10 | \$26.49 | \$10.00 |
| 6/30/1996 | 1.95\% \$ 38,930,508 | \$ 759,145 |  |  |  |
|  | Amount available: 7-1-97 increase Investment earnings on balance Amount utilized: 7-1-97 increase | 904,337 100,562 $(674,496)$ | \$15 | \$28.27 | \$15.00 |
| 6/30/1997 | 2.12\% \$ 48,380,789 | \$ 1,025,673 |  |  |  |
|  | Amount available: 7-1-98 increase Investment earnings on balance Amount utilized: 7-1-98 increase Amount Transferred by HB 2496 | $\begin{array}{r} 1,356,076 \\ 296,303 \\ (1,391,471) \\ 7,310,486 \end{array}$ | 25 | \$78.36 | \$25.00 |
| 6/30/1998 | 12.85\% \$ 61,782,309 | \$ 7,939,027 |  |  |  |
|  | Amount available: 7-1-99 increase Investment earnings on balance Amount utilized: 7-1-99 increase | $\begin{array}{r} 15,510,421 \\ 2,729,834 \\ (2,369,795) \end{array}$ | \$125.00 | \$32.41 | \$32.41 |

## BENEFIT INCREASE SCHEDULE

| Fiscal Year Ended | Excess <br> Yield per <br> Statute* Excess <br> Earnings <br> Assets** | Excess Earnings | Monthly Benefit Increase Fundable | Maximum per Statutory 4\% Cap | Lesser of Two Increase Awarded |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6/30/1999 | 8.60\% \$ 309,115,721 | \$ 26,583,952 |  |  |  |
|  | Amount available: 7-1-00 increase Investment earnings on balance Amount utilized: 7-1-00 increase | $\begin{array}{r} 42,454,412 \\ 5,612,473 \\ (3,253,379) \end{array}$ | \$550.00 | \$38.96 | \$38.96 |
| 6/30/2000 | 4.22\% \$ 354,772,102 | \$ 14,971,383 |  |  |  |
|  | Amount available: 7-1-01 increase Investment earnings on balance Amount utilized: | $\begin{gathered} 59,784,889 \\ (10,202,889) \\ (3,761,946) \end{gathered}$ | \$680.00 | \$39.79 | \$39.79 |
| 6/30/2001 | 0.00\% \$ 342,836,483 | \$ |  |  |  |
|  | Amount available: 7-1-02 increase Investment earnings on balance Amount utilized: | $\begin{gathered} 45,820,054 \\ (6,717,220) \\ (4,650,770) \end{gathered}$ | 36.5\% | 4.0\% | 4.0\% |
| 6/30/2002 | 0.00\% \$ 294,470,202 | \$ |  |  |  |
|  | Amount available: 7-1-03 increase | 34,452,064 | 20.5\% | 4.0\% | 4.0\% |

2. Amount equal to retired reserves until 6-30-98 when the assets to be used was changed to one-half of the average net total assets as published in the annual report.
3. Effective $7 / 1 / 02$, Benefit increases are limited to a maximum of $4 \%$ of the benefit being received on the preceding June 30 and is contingent upon sufficient excess investment earnings for the fund.

APACHE COUNTY COCHISE COUNTY COCONINO COUNTY DEPARTMENT OF CORRECTIONS DEPARTMENT OF JUVENILE CORRECTIONS MARICOPA COUNTY MOHAVE COUNTY<br>NAVAJO COUNTY<br>PIMA COUNTY<br>SANTA CRUZ COUNTY<br>YAVAPAI COUNTY<br>YUMA COUNTY

STATE OF ARIZONA

## CORRECTIONS OFFICER RETIREMENT PLAN

SUMMARY OF GROWTH OF THE PLAN

Listed below is a table setting forth the growth of the System in some of the major areas since it was started July 1, 1986.

| Fiscal Year |  | Total Assets at Book |  | Realized Earnings from Investments | Assumed Actuarial Yield | Net Effective Yield | Average Employer Cost |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Assets |  |  |  |  |  |  |  |
| Transferred | \$ | 35,898,096 |  |  |  |  |  |
| 1986-87 | \$ | 47,550,266 | \$ | 2,591,092 | 9.00\% | 12.57\% | 6.00\% |
| 1987-88 | \$ | 69,842,267 | \$ | 4,829,032 | 9.00\% | 8.69\% | 6.00\% |
| 1988-89 | \$ | 88,759,811 | \$ | 6,981,352 | 9.00\% | 9.27\% | 6.00\% |
| 1989-90 | \$ | 109,000,881 | \$ | 7,969,987 | 9.00\% | 8.44\% | 6.00\% ${ }^{1}$ |
| 1990-91 | \$ | 138,958,392 | \$ | 11,171,749 | 9.00\% | 9.50\% | 6.35\% ${ }^{2}$ |
| 1991-92 | \$ | 168,663,770 | \$ | 15,081,978 | 9.00\% | 10.35\% | $6.16 \%{ }^{2,3}$ |
| 1992-93 | \$ | 198,727,336 | \$ | 15,833,256 | 9.00\% | 9.04\% | 6.22\% |
| 1993-94 | \$ | 223,939,998 | \$ | 12,564,499 | 9.00\% | 6.14\% | 5.83\% |
| 1994-95 | \$ | 261,475,094 | \$ | 23,730,177 | 9.00\% | 10.31\% | 5.54\% |
| 1995-96 | \$ | 309,150,409 | \$ | 29,543,144 | 9.00\% | 10.95\% | 6.66\% ${ }^{2}$ |
| 1996-97 | \$ | 365,414,374 | \$ | 35,445,750 | 9.00\% | 11.12\% | 6.93\% ${ }^{4}$ |
| 1997-98 | \$ | 426,352,295 | \$ | 38,356,983 | 9.00\% | 10.21\% | 6.63\% |
| 1998-99 | \$ | 519,862,471 | \$ | 70,754,167 | 9.00\% | 16.23\% | $5.98 \%{ }^{2}$ |
| 1999-00 | \$ | 588,205,472 | \$ | 49,627,757 | 9.00\% | 9.39\% | 5.14\% |
| 2000-01 | \$ | 631,618,088 | \$ | 29,491,487 | 9.00\% | 4.96\% | 1.88\% |
| 2001-02 | \$ | 646,861,802 | \$ | 11,656,015 | 9.00\% | 1.84\% | 1.15\% |
| 2002-03 |  |  |  |  |  |  | 1.71\% |
| 1. Before changes in benefit provisions. |  |  |  |  |  |  |  |
| 2. After change in benefit provisions |  |  |  |  |  |  |  |
| 3. Pursuant to 1990 legislation, the employer contribution rates are determined individually in the annual actuarial valuation rather than fixed by statute as a single rate. |  |  |  |  |  |  |  |
| 4. After changes in benefit provisions and assumptions |  |  |  |  |  |  |  |
| 5. A detailed Schedule of Revenues by Source and Expenses by Type can be found in the Statistical Section. |  |  |  |  |  |  |  |


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