### PUTNAM MANAGED MUNICIPAL INCOME TRUST

Form N-CSR June 24, 2003

Putnam Managed Municipal Income Trust

Item 1. Report to Stockholders:

\_\_\_\_\_

The following is a copy of the report transmitted to stockholders pursuant to Rule 30e-1 under the Investment Company Act of 1940:

SEMIANNUAL REPORT ON PERFORMANCE AND OUTLOOK

4-30-03

[GRAPHIC OMITTED: WATCH]

[SCALE LOGO OMITTED]

FROM THE TRUSTEES

[GRAPHIC OMITTED: PHOTO OF JOHN A. HILL AND GEORGE PUTNAM, III]

Dear Fellow Shareholder:

We are pleased to bring you news of positive performance by Putnam Managed Municipal Income Trust for the semiannual period ended April 30, 2003. Your fund outperformed its benchmark index and came in well ahead of its peers as measured by its Lipper category average. You will find details on page 7.

As you will see in the following report from your fund's management team, these results were achieved in large measure by the fund's duration strategy and a generally favorable interest-rate environment during the period. Duration is a measure of a fund's sensitivity to changes in interest rates. The fund's weighting in high-quality bonds also enhanced results as the demand for these securities by risk-averse investors helped elevate their prices. The management team also offers its views on prospects for the fund in the fiscal year's second half.

As we look back on one of the most challenging periods in recent investment history, we would like you to know how much we appreciate your continued confidence in Putnam. We believe that those who ride out the current turbulence will be rewarded for their patience over the long term.

Respectfully yours,

/S/ JOHN A. HILL /S/ GEORGE PUTNAM, III

John A. Hill George Putnam, III
Chairman of the Trustees President of the Funds

June 18, 2003

REPORT FROM FUND MANAGEMENT

FUND HIGHLIGHTS

- \* For the first six months of its fiscal year, Putnam Managed Municipal Income Trust had a total return at net asset value of 5.44%. The fund's return at market price was 5.95%.
- \* The fund's longer duration helped it to outperform its benchmark, the Lehman Municipal Bond Index, which returned 3.59% for the six-month period.
- \* The fund's duration and portfolio mix of high- and lower-quality bonds helped it outperform the average return for its Lipper category, High Yield Municipal Debt Funds, which was 3.14%.
- \* Index and Lipper results should be compared to fund performance at net asset value. See the Performance Summary on page 7 for complete fund performance, comparative index performance, and Lipper data.

### PERFORMANCE COMMENTARY

The fund's solid returns were due in large part to a duration strategy that made it more responsive to changes in interest rates relative to its benchmark and many of its peers. (Duration is a measure of interest-rate sensitivity; the longer its duration, the more responsive the portfolio will be to rate changes.) Our high-quality bond position also proved to be an asset, as investors continued to prefer relatively secure investments amidst the uncertainty at home and abroad. Consequently, lower-rated bonds, which contribute considerably to the portfolio's monthly income, underperformed their higher-quality counterparts. This disparity in the performance of higher- and lower-rated municipal securities is exhibited by the fact that credit spreads — the difference in bond yields at either end of the credit quality spectrum — widened for much of the six-month period.

The fund's results should also be considered in the context of a generally favorable interest-rate environment. However, after a three-year rally in fixed-income investments, the markets are beginning to ponder the return of higher interest rates. We've been gradually positioning the fund for this possibility to limit the price depreciation that typically accompanies a rising-rate market.

### FUND PROFILE

Putnam Managed Municipal Income Trust seeks to provide as high a level of current income free from federal income tax as is consistent with preservation of capital through investments in investment-grade and higher-yielding, lower-rated municipal bonds. The fund is designed for investors seeking tax-exempt income and willing to accept the risks associated with below-investment-grade bonds.

### MARKET OVERVIEW

In what was a challenging semiannual period, municipal-bond yields fell slightly, resulting in modest returns overall. Municipal bonds slightly outperformed Treasuries for the period. Several factors contributed to the difficult environment. The sluggish economy caused many state and local municipalities to experience significant declines in tax revenues and subsequent downgrades in credit quality. Difficulties in two sectors — airlines and utilities — dampened the performance of industrial development bonds (IDBs), which are issued by municipalities but backed by the credit of companies. Airline-backed IDBs suffered as United Airlines followed US Airways into bankruptcy. In late April, American Airlines narrowly avoided a similar fate. The electric power sector came under pressure, affecting performance of utility IDBs as well.

Lastly, the supply of municipal bonds grew throughout 2002. In terms of

supply, the California Department of Water Resources' bond issue was the largest ever brought to market. New tobacco settlement bonds further boosted supply. All told, over \$320 billion in municipal bonds was issued in 2002 — an all-time record. Supply has continued to swell in 2003, and has had a dampening effect on municipal-bond prices.

MARKET SECTOR PERFORMANCE 6 MONTHS ENDED 4/30/03

B	0	r	1(	1	S

Lehman Municipal Bond Index	3.59%
Lehman Intermediate Treasury Bond Index	1.91%
Lehman Aggregate Bond Index (government and corporate bonds)	4.31%
Citigroup World Government Bond Index	9.73%

#### Equities

S&P 500 Index (broad market)	4.48%
Russell 1000 Index (large-cap stocks)	4.75%
Russell 2000 Index (small-cap stocks)	7.55%

These indexes provide an overview of performance in different market sectors for the six months ended 4/30/03.

### STRATEGY OVERVIEW

The fund maintained its moderate exposure to higher-yielding securities. We positioned the portfolio defensively in anticipation of the October sell-off, but later returned to a more neutral stance by extending the fund's duration. We diversified the fund further, and increased its exposure to California tax-exempt bonds. We also reduced exposure to tobacco settlement bonds, discussed further on page 5.

During the period, tax-exempt municipal bonds offered investors almost the same yield as comparable Treasury bonds. This was an unusual situation, and we expect the yield ratios will return to normal levels as the supply of municipal offerings moderates and demand increases. To take advantage of this opportunity, we established a cross-market arbitrage position, in which we bought intermediate-term municipal bonds and shorted 10-year Treasury futures contracts. Our thesis is that if interest rates should rise (causing bond prices to fall), the fund would have a loss on the municipal bonds, and yet, potential gains on the Treasury futures contracts may more than compensate for the loss. On the other hand, if rates should fall (causing bond prices to rise), a loss on the Treasury futures contracts may be mitigated by a gain on the municipal bonds.

[GRAPHIC OMITTED: horizontal bar chart THE FUND'S TOP SECTOR WEIGHTINGS COMPARED]

THE FUND'S TOP SECTOR WEIGHTINGS COMPARED

as of as of 4/30/03 10/31/03

Health care	26.7%	28.9%
Transportation	19.5%	25.0%
Utilities	16.0%	6.4%
Forest and paper products	4.0%	3.4%
Housing	3.2%	4.7%

#### Footnote reads:

This chart shows how the fund's sector weightings have changed over the past six months. Weightings are shown as a percentage of portfolio market value. Holdings will vary over time.

### HOW KEY HOLDINGS AND ALLOCATIONS AFFECTED THE FUND'S PERFORMANCE

While the fund holds over 75% of its assets in high-quality investment-grade bonds, it does selectively downgrade when the right market conditions and investment opportunities present themselves. We think the fund's position in lower-rated municipal bonds, which have been out of favor for some time, is advantageous at this point and we believe these bonds can perform well in the coming months, especially as the economy recovers.

We've seen a large supply of uninsured investment-grade hospital bonds come to market in recent months, improving the number and quality of prospects for your portfolio. In addition to refinancing older, more expensive debt at today's historically low interest rates, hospitals in high-growth locations are requiring more resources to finance their expansion in order to meet increasing patient demand. Furthermore, hospitals are becoming more specialized and moving beyond their core medical services. This trend has meant that hospitals are developing a niche in such fields as cardiology or oncology.

Several issues in the A to BBB credit-quality range were attractive to us. Recent purchases include Mother Frances Hospital bonds, which were issued by Tyler Health Facilities Corp. in Texas. These bonds are helping to finance a new facility that will serve a growing population and a large cardiac business, which we expect to improve operating revenues. The fund also holds the A-rated Cleveland Clinic Health System bonds, issued by Cuyahoga County. The Cleveland Clinic, which serves northeast Ohio and southwest Florida, has a medical and educational reputation on par with Johns Hopkins and the Mayo Clinic. While the Cleveland Clinic previously incurred investment losses, we believe the steady, high-quality delivery of its core health services in its target markets should eventually restore much of its diminished cash flow.

[GRAPHIC OMITTED pie chart PORTFOLIO CREDIT QUALITY 4/30/03]

PORTFOLIO CREDIT QUALITY 4/30/03

Aaa/AAA	(39.1%)
Aa/AA	(1.7%)
A	(14.9%)
Baa/BBB	(26.0%)
Ba/BB	(8.3%)
В	(6.0%)
CCC/Ca	(1.7%)
D	(0.9%)
Other (VMIG1)	(1.4%)

#### Footnote reads:

As percentages of market value. A bond rated Baa or higher is considered investment grade. The chart reflects Moody's and Standard & Poor's ratings; percentages may include unrated bonds considered by Putnam Management to be of comparable quality. Ratings will vary over time.

The electric power sector is another industry undergoing great change, providing unique investment opportunities as it transforms itself. In the aftermath of the power crisis in 2002, utility companies that strayed into non-utility-related activities such as telecommunications are in the process of refocusing on their core business of power generation and distribution. Overall, we think this trend is a positive one that will contribute to improvements in credit-quality ratings throughout the sector. The fund's A2-rated Georgia Power Company bonds, issued by Burke County, exemplify this trend. This electric utility owns its own generation resources, receives 88% of its revenues from cost-based regulated rates, and has a history of regulatory support.

Tobacco settlement bonds, which are issued by municipalities and secured by cash payments made in satisfaction of legal judgments against the tobacco industry, are a relatively new class of municipal securities, which we always approach with caution. These bonds tend to be higher-quality debt, but because they are subject to special risks, they generally offer higher yields than other bonds of comparable quality. During the reporting period, we reduced the fund's exposure to tobacco settlement bonds, due to concerns about the market becoming overwhelmed by the growing supply of new issuance.

Please note that all holdings discussed in this report are subject to review in accordance with the fund's investment strategy and may vary in the future.

### THE FUND'S MANAGEMENT TEAM

The fund is managed by the Putnam Tax Exempt Fixed-Income Team. The members of the team are Richard Wyke (Portfolio Leader), Paul Drury (Portfolio Member), David Hamlin (Portfolio Member), Susan McCormack (Portfolio Member), Joyce Dragone, and Jerome Jacobs.

### THE OUTLOOK FOR YOUR FUND

The following commentary reflects anticipated developments that could affect your fund over the next six months, as well as the fund's management team's plans for responding to them.

Our current outlook for the municipal-bond market is cautiously optimistic. Fear of war has subsided. The focus is now on rebuilding Iraq and addressing economic concerns on the home front. While much remains to be answered, the level of uncertainty in the world seems to have eased a bit. We expect business activity will accelerate slowly.

Although the tax-free marketplace is certainly not immune to the forces that buffet other markets, it has historically been less volatile. We believe municipal bonds should perform well relative to other fixed-income sectors as some measure of calm returns to financial markets. We believe that municipal budgets will continue to face significant pressures in the months ahead. And we believe that governments will need to determine how to implement costly home-front protection measures while at the same time pushing tax cuts to stimulate economic growth. Historically, improvement in the credit quality of state and local governments has lagged a general economic recovery by six to nine months, so we expect municipal credit quality to remain fragile for some time to come.

Currently, municipal-bond yields remain unusually high relative to yields on taxable issues. In time, we expect that relationship will revert to a normal range. In our opinion, the market continues to offer attractive value and compelling risk/reward characteristics. We believe that we have positioned your fund to take advantage of this potential.

The views expressed in this report are exclusively those of Putnam Management. They are not meant as investment advice. Mutual funds that invest in government securities are not guaranteed. Mortgage-backed securities are subject to prepayment risk.

#### A NOTE ABOUT DUPLICATE MAILINGS

In response to investors' requests, the SEC has modified mailing regulations for proxy statements, semiannual and annual reports, and prospectuses. Putnam is now able to send a single copy of these materials to customers who share the same address. This change will automatically apply to all shareholders except those who notify us. If you would prefer to receive your own copy, please call Putnam at 1-800-225-1581.

#### PERFORMANCE SUMMARY

This section provides information about your fund's performance during its semiannual period, which ended April 30, 2003. In accordance with regulatory requirements, we also include performance for the most current calendar quarter-end. Performance should always be considered in light of a fund's investment strategy. Past performance does not indicate future results. More recent returns may be less or more than those shown. Investment return, net asset value, and market price will fluctuate and you may have a gain or a loss when you sell your shares. Performance does not reflect taxes on reinvested distributions. A profile of your fund's strategy appears on the first page of this report. See page 8 for definitions of some terms used in this section.

#### TOTAL RETURN FOR PERIODS ENDED 4/30/03

			Lehman Municipal	Municipal Debt
		Market price		average*
	5.44%	5.95%	3.59%	3.14%
	4.57	4.16	8.50	3.76
5 years		-0.33		
	3.21	-0.07	6.31	3.45
10 years	62.84	47.30	86.12	69.70
	5.00	3.95	6.41	5.39
Life of fund (since 2/24/89) Annual average	6.79	5.88	7.55	5.81

<sup>\*</sup> Over the 6-month and 1-, 5-, and 10-year periods ended 4/30/03, there were 12, 12, 12, and 11 funds, respectively, in this Lipper category.

TOTAL RETURN FOR PERIODS ENDED 3/31/03 (most recent calendar quarter)

1 year			NAV	Market price
5 years       14.44       2.70         Annual average       2.73       0.53         10 years       60.90       47.49         Annual average       4.87       3.96         Life of fund (since 2/24/89) Annual average       6.68       5.88         PRICE AND DISTRIBUTION INFORMATION 6 MONTHS ENDED 4/30/03         Putnam Managed Municipal Income Trust         Distributions from common shares         Number       6         Income 1       \$0.285         Capital gains 1          Total       \$0.285         Preferred shares       Series A (550 shares) (650 shares)         Income 1       \$613.53       \$597.85       \$598.08         Share value:       NAV Market price         10/31/02       \$7.84       \$7.43         4/30/03       7.96       7.58         Current return (end of period)       7.16%       7.52%         Taxable equivalent 3       11.66       12.25	6 months		-0.20%	-3.74%
Annual average 2.73 0.53  10 years 60.90 47.49  Annual average 4.87 3.96  Life of fund (since 2/24/89) Annual average 6.68 5.88  PRICE AND DISTRIBUTION INFORMATION 6 MONTHS ENDED 4/30/03  Putnam Managed Municipal Income Trust  Distributions from common shares  Number 6  Income 1 \$0.285  Capital gains 1  Total \$0.285  Preferred shares Series A Series B Series C (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	1 year		4.26	3.88
Annual average 4.87 3.96  Life of fund (since 2/24/89) Annual average 6.68 5.88  PRICE AND DISTRIBUTION INFORMATION 6 MONTHS ENDED 4/30/03  Putnam Managed Municipal Income Trust  Distributions from common shares  Number 6  Income 1 \$0.285  Capital gains 1  Total \$0.285  Preferred shares Series A Series B Series C (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	5 years		14.44	2.70
Annual average 4.87 3.96  Life of fund (since 2/24/89) Annual average 6.68 5.88  PRICE AND DISTRIBUTION INFORMATION 6 MONTHS ENDED 4/30/03  Putnam Managed Municipal Income Trust  Distributions from common shares  Number 6  Income 1 \$0.285  Capital gains 1  Total \$0.285  Preferred shares Series A Series B Series C (550 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Annual average		2.73	0.53
Life of fund (since 2/24/89) Annual average 6.68 5.88  PRICE AND DISTRIBUTION INFORMATION 6 MONTHS ENDED 4/30/03  Putnam Managed Municipal Income Trust  Distributions from common shares  Number 6  Income 1 \$0.285  Capital gains 1  Total \$0.285  Preferred shares Series A Series B Series C (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	10 years		60.90	47.49
(since 2/24/89)       Annual average       6.68       5.88         PRICE AND DISTRIBUTION INFORMATION 6 MONTHS ENDED 4/30/03         Putnam Managed Municipal Income Trust         Distributions from common shares         Number       6         Tocome 1       \$0.285         Preferred shares       Series A (550 shares)       Series B (650 shares)         Income 1       \$613.53       \$597.85       \$598.08         Share value:       NAV Market price         10/31/02       \$7.84       \$7.43         4/30/03       7.96       7.58         Current return (end of period)       7.52%         Taxable equivalent 3       11.66       12.25	Annual average		4.87	3.96
Putnam Managed Municipal Income Trust           Distributions from common shares           Number         6           Income 1         \$0.285           Capital gains 1            Total         \$0.285           Preferred shares         Series A Series B (550 shares)         (650 shares)           Income 1         \$613.53         \$597.85         \$598.08           Share value:         NAV Market price           10/31/02         \$7.84         \$7.43           4/30/03         7.96         7.58           Current return (end of period)         Current dividend rate 2         7.16%         7.52%           Taxable equivalent 3         11.66         12.25	(since 2/24/89)		6.68	5.88
Distributions from common shares  Number 6  Income 1 \$0.285  Capital gains 1  Total \$0.285  Preferred shares Series A Series B Series C (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25				30/03
Number       6         Income 1       \$0.285         Capital gains 1          Total       \$0.285         Preferred shares       Series A (550 shares)       Series B (650 shares)         Income 1       \$613.53       \$597.85       \$598.08         Share value:       NAV       Market price         10/31/02       \$7.84       \$7.43         4/30/03       7.96       7.58         Current return (end of period)       7.16%       7.52%         Taxable equivalent 3       11.66       12.25			rust 	
Total \$0.285  Capital gains 1  Total \$0.285  Preferred shares Series A Series B Series C (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Distributions from	m common shares 		
Capital gains 1  Total \$0.285  Preferred shares Series A (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Number		6	
Total \$0.285  Preferred shares Series A (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Income 1		\$0.285	
Preferred shares Series A (550 shares) (550 shares) (650 shares)  Income 1 \$613.53 \$597.85 \$598.08  Share value: NAV Market price  10/31/02 \$7.84 \$7.43  4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Capital gains 1			
(550 shares)       (550 shares)       (650 shares)         Income 1       \$613.53       \$597.85       \$598.08         Share value:       NAV       Market price         10/31/02       \$7.84       \$7.43         4/30/03       7.96       7.58         Current return (end of period)       7.16%       7.52%         Taxable equivalent 3       11.66       12.25	Total		\$0.285	
Share value: NAV Market price 10/31/02 \$7.84 \$7.43 4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Preferred shares			
10/31/02 \$7.84 \$7.43 4/30/03 7.96 7.58 Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Income 1	\$613.53	\$597.85	\$598.08
4/30/03 7.96 7.58  Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	Share value:		NAV	Market price
Current return (end of period)  Current dividend rate 2 7.16% 7.52%  Taxable equivalent 3 11.66 12.25	10/31/02		\$7.84	\$7.43
Current dividend rate 2 7.16% 7.52%	4/30/03		7.96	7.58
Taxable equivalent 3 11.66 12.25	Current return (en	nd of period)		
Taxable equivalent 3 11.66 12.25	Current dividend			
	Taxable equivalen	t 3	11.66	12.25

<sup>1</sup> Capital gains, if any, are taxable for federal and, in most cases, state purposes. For some investors, investment income may be subject to the federal alternative minimum tax. Income from federally exempt funds may be subject to state and local taxes.

<sup>2</sup> Most recent distribution, excluding capital gains, annualized and divided by NAV or market price at end of period.

3 Assumes maximum 38.6% of federal tax rate for 2003. Results for investors subject to lower tax rates would not be as advantageous.

#### TERMS AND DEFINITIONS

Total return shows how the value of the fund's shares changed over time, assuming you held the shares through the entire period and reinvested all distributions in the fund.

Net asset value (NAV) is the value of all your fund's assets, minus any liabilities and the net assets allocated to remarketed preferred shares, divided by the number of outstanding common shares.

Market price is the current trading price of one share of the fund. Market prices are set by transactions between buyers and sellers on the New York Stock Exchange.

### COMPARATIVE INDEXES

Citigroup (formerly Salomon Smith Barney) World Government Bond Index is an unmanaged index of government bonds from 14 countries.

Lehman Aggregate Bond Index is an unmanaged index of U.S. fixed-income securities.

Lehman Intermediate Treasury Bond Index is an unmanaged index of Treasury bonds with maturities between 1 and 10 years.

Lehman Municipal Bond Index is an unmanaged index of long-term fixed-rate investment-grade tax-exempt bonds.

Russell 1000 Index is an unmanaged index of the largest 1,000 companies in the Russell 3000 Index.

Russell 2000 Index is an unmanaged index of common stocks that generally measure performance of small to midsize companies within the Russell 3000 Index.

S&P 500 Index is an unmanaged index of common stock performance.

Indexes assume reinvestment of all distributions and do not account for fees. Securities and performance of a fund and an index will differ. You cannot invest directly in an index.

Lipper Inc. is a third-party industry ranking entity that ranks funds (without sales charges) with similar current investment styles or objectives as determined by Lipper. Lipper category averages reflect performance trends for funds within a category and are based on results at net asset value.

### A GUIDE TO THE FINANCIAL STATEMENTS

These sections of the report, as well as the accompanying Notes, constitute the fund's financial statements.

The fund's portfolio lists all the fund's investments and their values as of the last day of the reporting period. Holdings are organized by asset type and industry sector, country, or state to show areas of concentration and diversification.

Statement of assets and liabilities shows how the fund's net assets and

share price are determined. All investment and noninvestment assets are added together. Any unpaid expenses and other liabilities are subtracted from this total. The result is divided by the number of shares to determine the net asset value per share, which is calculated separately for each class of shares. (For funds with preferred shares, the amount subtracted from total assets includes the net assets allocated to remarketed preferred shares.)

Statement of operations shows the fund's net investment gain or loss. This is done by first adding up all the fund's earnings -- from dividends and interest income -- and subtracting its operating expenses to determine net investment income (or loss). Then, any net gain or loss the fund realized on the sales of its holdings -- as well as any unrealized gains or losses over the period -- is added to or subtracted from the net investment result to determine the fund's net gain or loss for the fiscal period.

Statement of changes in net assets shows how the fund's net assets were affected by distributions to shareholders and by changes in the number of the fund's shares. It lists distributions and their sources (net investment income or realized capital gains) over the current reporting period and the most recent fiscal year-end. The distributions listed here may not match the sources listed in the Statement of operations because the distributions are determined on a tax basis and may be paid in a different period from the one in which they were earned.

Financial highlights provide an overview of the fund's investment results, per-share distributions, expense ratios, net investment income ratios, and portfolio turnover in one summary table, reflecting the five most recent reporting periods. In a semiannual report, the highlight table also includes the current reporting period. For open-end funds, a separate table is provided for each share class.

THE FUND'S PORTFOLIO April 30, 2003 (Unaudited)

#### Key to Abbreviations

\_\_\_\_\_\_

AMBAC Indemnity Corporation Certificate of Participation

Financial Guaranty Insurance Company

FNMA Coll. Federal National Mortgage Association Collateralized

Financial Security Assurance

GNMA Coll. Government National Mortgage Association Collateralized

G.O. Bonds General Obligation Bonds IFB Inverse Floating Rate Bonds

IF COP Inverse Floating Rate Certificate of Participation
MBIA MBIA Insurance Company
PSFG Permanent School Fund Guaranteed

Variable Rate Demand Notes

Municipal bonds and notes (98.8%) (a)

Principal amount Rating(RAT) Value

Alaska (0.4%)

\$2,000,000 Valdez Marine Term Rev. Bonds (Sohio Pipeline),

> 7 1/8s, 12/1/25 AA+ \$2,048,440

Arizona (2.1%)

\_\_\_\_\_

3,000,000	Apache Cnty., Indl. Dev. Auth. Poll. Control Rev. Bonds (Tucson Elec. Pwr. Co.),		
1,000,000	Ser. B, 5 7/8s, 3/1/33 AZ Hlth. Fac. Auth. Hosp. Syst. Rev. Bonds (John C. Lincoln Hlth.	Ba3	2,711,250
2,500,000	Network), 6 3/8s, 12/1/37 Casa Grande, Indl. Dev. Auth. Rev. Bonds (Casa Grande Regl. Med.	BBB	1,031,250
4,000,000	Ctr.), Ser. A, 7 5/8s, 12/1/29 Coconino Cnty., Poll. Control	B-/P	2,581,250
	Rev. Bonds (Tuscon/Nava Scottsdale, Indl. Dev. Hosp. Auth. Rev. Bonds (Scottsdale Healthcare),	Ba3	4,130,000
	5.8s, 12/1/31	A3	1,026,250
Arkansas (2.2%			11,480,000
4,600,000	AR State Hosp. Dev. Fin. Auth.		
	Rev. Bonds (WA Regl. Med. Ctr.), 7 3/8s, 2/1/29	Baa3	4,968,000
6,000,000	Northwest Regl. Arpt. Auth. Rev. Bonds, 7 5/8s, 2/1/27	BB/P	6,607,500
California (12	191		11,575,500
7,000,000	CA Hlth. Fac. Auth. IFB (Catholic Hlth. Care West),		
	AMBAC, 9.306s, 7/1/17 CA State Dept. of Wtr. Resources Rev. Bonds, Ser. A	Aaa	7,498,750
1,000,000	6s, 5/1/15	А3	1,136,250
	AMBAC, 5 1/2s, 5/1/13	Aaa	22,800,000
	5 1/2s, 5/1/11	A3	3,333,750
3,000,000	CA Statewide Cmnty. Dev. Auth. COP (The Internext Group), 5 3/8s,		
	4/1/30 Corona, COP	BBB	2,883,750
	(Vista Hosp. Syst.), Ser. B, 9 1/2s, 7/1/20 (In default) (NON)	D/P	1,026,750
	(Hosp. Syst. Inc.), Ser. C, 8 3/8s, 7/1/11 (In default) (NON) Gilroy, Rev. Bonds (Bonfante	D/P	1,850,000
1,970,000	Gardens Park), 8s, 11/1/25	В/Р	1,790,238
2,900,000	Orange Cnty., VRDN, 1.35s, 8/1/16	VMIG1	2,900,000
	San Bernardino Cnty., IF COP, MBIA, 11.58s, 8/1/28 (acquired 6/27/95,	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3,000,000	cost \$3,777,340) (RES) San Luis Obispo, COP (Vista Hosp.	AAA/P	4,453,750
8.750.000	Syst., Inc.), 8 3/8s, 7/1/29 (In default) (NON) Santa Clara Cnty., Fin. Auth. Lease	D/P	1,110,000
	Rev. Bonds (VMC Fac. Replacement Project), Ser. A, AMBAC, 6 3/4s,		
6,150,000	11/15/20 Valley Hlth. Syst. Hosp. Rev. Bonds	Aaa	9,668,750
	(Refunding & Impt.), Ser. A, 6 1/2s, 5/15/25	B+	3,989,813
			64,441,801

Colorado (2.2%	) 		
3,015,000	CO Hlth. Fac. Auth. Rev. Bonds		
	(Evangelical Lutheran),	_	
	3.05s, 10/1/05	A3	3,082,838
	CO Hwy. Auth. Rev. Bonds (E-470 Pub. Hwy.), Ser. B		
15,500,000	zero %, 9/1/35	Baa3	1,414,375
	zero %, 9/1/34	Baa3	1,629,375
	CO State Edl. Fac. Auth. Rev. Bonds		, ,
	(Ocean Journey, Inc.), 8.3s,		
	12/1/17 (In default) (NON)	D/P	136,620
	Denver, City & Cnty. Arpt.		
	Rev. Bonds		
	Ser. D, AMBAC, 7 3/4s, 11/15/13	AAA	1,300,688
	MBIA, 5 1/2s, 11/15/25	Aaa	2,634,375
1,400,000	Northwest Parkway Pub. Hwy. Auth.	D = 1	1 445 500
	Rev. Bonds, Ser. D, 7 1/8s, 6/15/41	Ba1	1,445,500
			11,643,771
District of Co.	lumbia (0.6%)		11,010,111
4,000,000	DC Tobacco Settlement Fin. Corp.	_	
	Rev. Bonds, 6 1/2s, 5/15/33	A3	3,485,000
Elassida (2 C0)			
Florida (3.6%) 			
2,000,000	Capital Trust Agcy. Rev. Bonds		
	(Seminole Tribe		
	Convention), Ser. A, 10s, 10/1/33	B/P	2,067,500
3,210,000	Escambia Cnty., Poll. Control		
	Rev. Bonds (Champion Intl. Corp.),		
= 0.0 0.00	6.9s, 8/1/22	Baa2	3,330,375
500,000	Heritage Harbor South Cmnty. Dev.		
	Distr. Rev. Bonds (Cap. Impt.),	DD /D	400 750
5 000 000	Ser. A, 6 1/2s, 5/1/34 Hernando Cnty., Indl. Dev.	BB-/P	498,750
3,000,000	Rev. Bonds (FL Crushed Stone Co.),		
	8 1/2s, 12/1/14	A-/P	5,211,000
1,000,000	Lee Cnty., Indl. Dev. Auth.	, -	3,,
	Rev. Bonds (Alliance Cmnty.		
	Project), Ser. C, 5 1/2s, 11/15/29	BBB-	907,500
1,335,000	Miami Beach, Hlth. Fac. Auth. Hosp.		
	Rev. Bonds (Mount Sinai Med. Ctr.),		
	Ser. A, 6.7s, 11/15/19	ВаЗ	1,211,513
2,500,000	Miami-Dade Cnty., Rev. Bonds,		
	Ser. A, FSA, 5 1/8s, 10/1/35	Aaa	2,509,375
1,500,000	South Miami, Hlth. Fac. Auth.		
	Rev. Bonds (Baptist Hlth.), 5 1/4s,	71 - 2	1 507 500
2 000 000	11/15/33	Aa3	1,507,500
2,000,000	St. Johns Cnty., Hlth. Care Indl. Dev. Auth. Rev. Bonds (Glenmoor St.		
	Johns Project), Ser. A, 8s, 1/1/30	B/P	2,005,000
	00mis 110 jecc, , ber. n, 00, 1, 1, 20	2,1	
Georgia (1.9%)			19,248,513
	Alleria West Was Day 2		
5,000,000	Atlanta, Waste Wtr. Rev. Bonds,	7	F 110 F00
4 000 000	Ser. A, MBIA, 5s, 11/1/39	Aaa	5,112,500
4,000,000	Burke Cnty., Poll. Control Dev.		
	Auth. Mandatory Put (GA Power Co.),	Δ2	4,220,000
	4.45s, 1/1/32	A2	4,220,000

	700,000	GA Med. Ctr. Hosp. Auth. IFB, MBIA, 11.385s, 8/1/10	Aaa	732,319
Hawaii	(1.1%)			10,064,819
		HI Dept. of Trans. Special Fac.		
4	- 500 - 000	Rev. Bonds (Continental Airlines, Inc.), 7s, 6/1/20 HI State G.O. Bonds, Ser. CY, FSA,	В	558,663
-	, ,	5 1/2s, 2/1/12	Aaa	5,175,000
Illino	is (5.9%	)		5,733,663
		Chicago, G.O. Bonds		
4	,850,000	Ser. A, AMBAC, 5 5/8s, 1/1/39	Aaa	5,250,125
3	,500,000	Ser. C, FGIC, 5 1/2s, 1/1/40	Aaa	3,710,000
2	,500,000	(Neighborhoods Alive 21 Project),		
		FGIC, 5s, 1/1/41	Aaa	2,528,125
2	,500,000	Chicago, O'Hare Intl. Arpt. Special Fac. Rev. Bonds (United Airlines, Inc.), Ser. C, 6.3s, 5/1/16		
		(In default) (NON)	D/P	250,000
3	,000,000	Chicago, O'Hare Intl. Arpt. Special		,
	, ,	Fac. Rev. Bonds (American Airlines,		
		Inc.), 8.2s, 12/1/24	Caa2	990,000
3	250 000		Caaz	330 <b>,</b> 000
3	, 230, 000	IL Dev. Fin. Auth. Hosp. Rev. Bonds		
		(Adventist Hlth. Syst./Sunbelt	7.0	2 206 075
		Obligation), 5.65s, 11/15/24	A3	3,306,875
6	,000,000	IL State G.O. Bonds, FGIC, 6s,		
		11/1/26	Aaa	7,290,000
3	,570,000	IL U. Rev. Bonds (Auxiliary Fas),		
		Ser. A, AMBAC, 5 1/2s, 4/1/20	Aaa	4,074,263
3	,500,000	Regl. Trans. Auth. Rev. Bonds,		
		Ser. B, MBIA, 5 3/4s, 6/1/33	Aaa	4,125,625
Indian	a (3.0%)			31,525,013
2	,500,000	IN State Dev. Fin. Auth. Env. Impt. Rev. Bonds (USX Corp.), 5.6s,		
		12/1/32	Baa1	2,475,000
6	500 000	IN Trans. Fin. Auth. Arpt. Facs.	Daai	2,473,000
0	, 500, 000	-		
		Lease Rev. Bonds, Ser. A, AMBAC,	7	C 000 C2E
	200 000	5s, 11/1/16	Aaa	6,800,625
6	,300,000	Indianapolis, Arpt. Auth. Special		
		Fac. Rev. Bonds (Federal Express		
		Corp.), 7.1s, 1/15/17	Baa2	6,685,875
Iowa (	1.0%)			15,961,500
		IA Fin. Auth. Hlth. Care Fac.		
		Rev. Bonds (Care Initiatives)		
3	,000,000	9 1/4s, 7/1/25	BBB-/P	3,581,250
1	,745,000	9.15s, 7/1/09	BBB-/P	2,037,288
				5,618,538
Kansas	(1.6%)			
	400 000	Mitchita Harr TED Co. 111		
8	,400,000	Witchita, Hosp. IFB, Ser. 111-A,		

	MBIA, 11.48s, 10/20/17	Aaa	8,799,000
Kentucky (0.4%	)		
2,035,000	Kenton Cnty., Arpt. Board Rev. Bonds (Special Fac Delta Airlines, Inc.), Ser. A,		
1,000,000	7 1/2s, 2/1/20 Scott Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s,	BB-	1,505,900
	11/1/14	ВаЗ	660,000
Louisiana (3.3	%)		2,165,900
2,000,000	LA Pub. Fac. Auth. Hosp. Rev. Bonds		
12,500,000	(Lake Charles Memorial Hosp. Project), 8 5/8s, 12/1/30 Lake Charles, Harbor & Term Dist.	CCC/P	1,827,500
2,750,000	Port Fac. Rev. Bonds (Trunkline Co.), 7 3/4s, 8/15/22 W. Feliciana Parish, Poll. Control	Baa2	12,977,000
	Rev. Bonds (Gulf States Util. Co.), Ser. C, 7s, 11/1/15	Ba1	2,839,375
Maine (0.4%)			17,643,875
2,000,000	Rumford Solid Waste Disp.		
	Rev. Bonds (Boise Cascade Corp.), 6 7/8s, 10/1/26	Baa3	2,002,500
Massachusetts	(4.3%)		
0.000.000	MA State Hlth. & Edl. Fac. Auth. Rev. Bonds		
2,000,000	(Civic Investments), Ser. A, 9s, 12/15/15	B+/P	2,182,500
3,300,000	(Rehab. Hosp. Cape & Islands), Ser. A, 7 7/8s, 8/15/24	AAA/P	3,613,500
	(Norwood Hosp.), Ser. C, 7s, 7/1/14	Ba2	1,515,319
2,500,000	(UMass Memorial), Ser. C, 6 5/8s, 7/1/32	Baa2	2,593,750
1,875,000	(UMass Memorial), Ser. C, 6 1/2s, 7/1/21	Baa2	1,950,000
7,645,000	MA State Hsg. Fin. Agcy. IFB,		, ,
2,000,000	AMBAC, 9.698s, 7/1/40 (acquired 6/3/98, cost \$7,739,951) (RES)  MA State Hsg. Fin. Agcy. Rev. Bonds (Rental Mtge.), Ser. C, AMBAC,	AAA	8,094,144
1,000,000	5 5/8s, 7/1/40 MA State Indl. Fin. Agcy.	Aaa	2,052,500
	Rev. Bonds (1st. Mtge. Brookhaven), Ser. A, 7s, 1/1/15	BBB/P	1,033,750
Michigan (2.5%	)		23,035,463
1 500 000	MI State Hosp. Fin. Auth.		
1,000,000	Rev. Bonds (Oakwood Hosp.),	7.0	4 500 55
2,000,000	Ser. A, 6s, 4/1/22 MI State Strategic Fund Resource	A2	1,580,625

	Recvy. Rev. Bonds (Central Wayne Energy Res.), Ser. A, 6.9s, 7/1/19		
2,700,000	(In default) (NON) Pontiac, Hosp. Fin. Auth. Rev. Bonds (NOMC Obligation Group),	D/P	500,000
2 975 000	Ser. B, 6s, 8/1/18 Warren Cons. School Dist. G.O.	Ba1	2,207,250
	Bonds, FSA, 5 3/8s, 5/1/18	Aaa	3,250,188
6,780,000	Waterford, Econ. Dev. Corp. Rev. Bonds (Canterbury Hlth.), 6s,		
2,000,000	1/1/39 Wayne Charter Cnty., Special Arpt.	B-/P	4,779,900
	Fac. Rev. Bonds (Northwest Airlines, Inc.), 6s, 12/1/29	B-/P	1,095,000
			13,412,963
Minnesota (2.1	%) 		
1,780,000	Chaska, Indl. Dev. Rev. Bonds (Lifecore Biomedical, Inc.),		
5.000.000	10 1/4s, 9/1/20 Cohasset, VRDN (MN Pwr. & Light Co.	BB/P	1,863,660
	Project), 1.35s, 6/1/20 St. Paul, Hsg. & Hosp. Redev. Auth.	A-1+	5,000,000
3,130,000	Rev. Bonds (Healtheast), Ser. B,	D - 0	4 570 505
	6 5/8s, 11/1/17	Ba2	4,578,525
Mississippi (0	.4%)		11,442,185
2,250,000	Mississippi Bus. Fin. Corp. Poll.		
	Control Rev. Bonds (Syst. Energy Resources, Inc.), 5.9s, 5/1/22	BBB-	2,221,875
Missouri (1.1%	)		
1,500,000	Cape Girardeau Cnty. Indl. Dev. Auth. Hlth. Care Fac. Pour Bonds (St. Francis Mod. Ctr.)		
	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth.	A	1,522,500
	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32	A A-1+	1,522,500 4,110,000
4,110,000	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26		
4,110,000  Nebraska (0.3%	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26		4,110,000
4,110,000  Nebraska (0.3%	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s,	A-1+	4,110,000  5,632,500
4,110,000  Nebraska (0.3%  2,000,000	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds		4,110,000
4,110,000  Nebraska (0.3%  2,000,000	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s, 12/1/07	A-1+	4,110,000  5,632,500
4,110,000  Nebraska (0.3%2,000,000  2,410,239	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s, 12/1/07 Kearney, Indl. Dev. Rev. Bonds (Great Platte River Road), 6 3/4s,	A-1+  Baa3	4,110,000 
4,110,000  Nebraska (0.3%2,000,000  2,410,239	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s, 12/1/07 Kearney, Indl. Dev. Rev. Bonds (Great Platte River Road), 6 3/4s, 1/1/28 (In default) (NON) NE Investment Fin. Auth. Single	A-1+  Baa3	4,110,000 
4,110,000  Nebraska (0.3%2,000,000  2,410,239	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s, 12/1/07 Kearney, Indl. Dev. Rev. Bonds (Great Platte River Road), 6 3/4s, 1/1/28 (In default) (NON) NE Investment Fin. Auth. Single Fam. Mtge. IFB, Ser. C, GNMA/FNMA	A-1+  Baa3  D/P	4,110,000 
4,110,000  Nebraska (0.3%  2,000,000  2,410,239  150,000  Nevada (1.8%)	Auth. Hlth. Care Fac. Rev. Bonds (St. Francis Med. Ctr.), Ser. A, 5 1/2s, 6/1/32 MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.35s, 6/1/26  Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s, 12/1/07 Kearney, Indl. Dev. Rev. Bonds (Great Platte River Road), 6 3/4s, 1/1/28 (In default) (NON) NE Investment Fin. Auth. Single Fam. Mtge. IFB, Ser. C, GNMA/FNMA	A-1+  Baa3  D/P	4,110,000 5,632,500 1,380,000 12,051 153,000

14

	3	· ·		
	4,000,000	AMBAC, 5.95s, 12/1/38 Las Vegas, Monorail Rev. Bonds (2nd	Aaa	5,500,000
		Tier), 7 3/8s, 1/1/40	B-/P	4,040,000
New	Hampshire	(0.5%)		9,540,000
	2,565,000	NH State Bus. Fin. Auth. Rev. Bonds (Alice Peck Day Hlth. Syst.), Ser. A, 7s, 10/1/29	BB+/P	2,603,475
New	Jersey (2.	7%) 		
	1,250,000	NJ Econ. Dev. Auth. Rev. Bonds (Cedar Crest Vlg. Inc. Fac.), Ser. A, 7 1/4s, 11/15/31 NJ Hlth. Care Fac. Fin. Auth. Rev. Bonds	BB-/P	1,257,813
		(Trinitas Hosp. Oblig. Group), 7 1/2s, 7/1/30	Baa3	3,296,250
	1,250,000	(Atlantic City Med. Ctr.), 5 3/4s, 7/1/25	A3	1,304,720
	1,000,000	(Somerset Med. Ctr.), 5 1/2s,	- 0	
	6,500,000	7/1/33  NJ State Trans. Trust Fund Auth.  Rev. Bonds (Trans. Syst.), Ser. A,	Baa2	961,560
		FSA, 5 1/2s, 6/15/12	Aaa	7,475,000
				14,295,343
New	York (9.2%	) 		
		NY City G.O. Bonds, Ser. B, 5 1/4s, 12/1/09	A2	10,962,500
	9,625,000	NY City, Indl. Dev. Agcy. Special Fac. Rev. Bonds (British Airways),		
	1,500,000	5 1/4s, 12/1/32 NY City, Indl. Dev. Agency	BBB-	5,967,500
		Rev. Bonds (Staten Island U. Hosp. Project), 6.45s, 7/1/32 NY City, Muni. Wtr. & Swr. Fin. Auth. IFB, MBIA, 9.688s, 6/15/17 (acquired 5/21/98, cost \$5,296,700)	Baa3	1,560,000
	5,000,000	(RES) NY City, Muni. Wtr. & Swr. Fin.	AAA	5,837,500
		Auth. Rev. Bonds, Ser. G, FSA, 5s, 6/15/34 NY City, Muni. Wtr. & Swr. Fin. Auth. VRDN	Aaa	5,112,500
	2,700,000	Ser. A, FGIC, 1.4s, 6/15/25 Ser. G, FGIC, 1.4s, 6/15/24 NY State Dorm. Auth. Rev. Bonds (Winthrop-U. Hosp. Assn.), Ser. A,	VMIG1 VMIG1	2,000,000 2,700,000
	2,000,000	5 1/2s, 7/1/32 Onondaga Cnty., Indl. Dev. Agcy.	Baa1	892,125
	5,000.000	Rev. Bonds (Solvay Paperboard, LLC), 7s, 11/1/30 Port Auth. NY & NJ Rev. Bonds, Ser.	BB-/P	2,082,500
		96, FGIC, 6.6s, 10/1/23	Aaa	5,331,250
	5,000,000	Port Auth. NY & NJ Special Obligation IFB, MBIA, Ser. N18, 8.64s, 12/1/17 (acquired 7/19/00,		
		cost \$5,234,450) (RES)	Aaa	6,812,500

			49,258,375
North Carolina	(1.2%)		
100,000	Charlotte, Special Fac. Rev. Bonds (Douglas Intl. Arpt US Airways), 7 3/4s, 2/1/28 (In default) (NON) NC Eastern Muni. Pwr. Agcy. Syst. Rev. Bonds	CCC/P	68,500
3,000,000	Ser. D, 6 3/4s, 1/1/26 Ser. A, 5 3/4s, 1/1/26 NC State Muni. Pwr. Agcy.	Baa3 Baa3	1,648,125 3,037,500
1,300,000	Rev. Bonds, Ser. A, 5 1/2s, 1/1/13	Baa1	1,428,375
Ohio (2.6%)			6,182,500
2,000,000	Cuyahoga Cnty., Rev. Bonds, Ser. A 6s, 1/1/16 6s, 1/1/15	A1 A	1,422,400 2,240,000
	Dayton, Fac. Rev. Bonds (Emery Air Freight), Ser. A, 5 5/8s, 2/1/18 OH State Air Quality Dev. Auth.	BB+	770,000
2,100,000	Rev. Bonds (Toledo Poll. Control), Ser. A, 6.1s, 8/1/27 OH State Solid Waste Rev. Bonds	Baa2	3,052,500
4,000,000	(General Motors Corp. Project), 6.3s, 12/1/32 Rickenbacker Port Auth. Rev. Bonds	A3	2,210,250
	(OASBO Expanded Asset Pooled), Ser. A, 5 3/8s, 1/1/32	A2	4,270,000
Oklahoma (2.7%	)		13,965,150
3,150,000	OK City Arpt. Trust Rev. Bonds (Jr. Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18	AAA	3.256.313
	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A,	AAA B1	3,256,313
4,900,000	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst	AAA B1	3,256,313 3,589,250
4,900,000	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth.		
4,900,000	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. SystOblig. Group), Ser. A, MBIA, 5 3/4s, 8/15/29	B1	3,589,250
4,900,000 7,000,000 Pennsylvania (	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. SystOblig. Group), Ser. A, MBIA, 5 3/4s, 8/15/29  5.8%)  Carbon Cnty., Indl. Dev. Auth.	B1	3,589,250 7,673,750
4,900,000 7,000,000 Pennsylvania (	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. SystOblig. Group), Ser. A, MBIA, 5 3/4s, 8/15/29  5.8%)  Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10 Dauphin Cnty., Gen. Auth.	B1	3,589,250 7,673,750
4,900,000 7,000,000 Pennsylvania (	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. SystOblig. Group), Ser. A, MBIA, 5 3/4s, 8/15/29  5.8%)  Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10  Dauphin Cnty., Gen. Auth. Rev. Bonds (Office & Pkg.), Ser. A, 6s, 1/15/25 Lebanon Cnty. Hlth. Fac. Auth.	B1 Aaa	7,673,750  14,519,313
4,900,000 7,000,000 Pennsylvania (2,165,000 3,500,000	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. SystOblig. Group), Ser. A, MBIA, 5 3/4s, 8/15/29  5.8%)  Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10  Dauphin Cnty., Gen. Auth. Rev. Bonds (Office & Pkg.), Ser. A, 6s, 1/15/25  Lebanon Cnty. Hlth. Fac. Auth. Rev. Bonds (Good Samaritan Hosp. Project), 6s, 11/15/35	B1  Aaa  BBB-	3,589,250  7,673,750  14,519,313  2,248,894
4,900,000 7,000,000 Pennsylvania (2,165,000 3,500,000 350,000	Lien 27th Ser.), Ser. A, FSA, 5s, 7/1/18  OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29  OK State Indl. Dev. Auth. Rev. Bonds (Hlth. SystOblig. Group), Ser. A, MBIA, 5 3/4s, 8/15/29  5.8%)  Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10  Dauphin Cnty., Gen. Auth. Rev. Bonds (Office & Pkg.), Ser. A, 6s, 1/15/25  Lebanon Cnty. Hlth. Fac. Auth. Rev. Bonds (Good Samaritan Hosp.	BBB- CCC/P	3,589,250  7,673,750  14,519,313  2,248,894  1,750,000

	12/1/20	Baa2	9,067,500
1,000,000	(Amtrak Project), Ser. A, 6 3/8s,	Daaz	9,007,300
	11/1/41	A3	881,250
	PA State Econ. Dev. Fin. Auth. Resource Recvy. Rev. Bonds		
1,000,000	(Clover), Ser. D, 7 1/8s, 12/1/15	BBB-	1,038,750
	(Northampton Generating), Ser. A,		
2 764 904	6.6s, 1/1/19 Philadelphia, Hosp. & Higher Ed.	BBB-	4,242,000
2,704,094	Fac. Auth. Rev. Bonds (Graduate		
	Hlth. Syst.), 7 1/4s, 7/1/10 (In		
2 000 000	default) (NON) Philadelphia, Indl. Dev. Auth.	D/P	3,456
2,000,000	Arpt. Rev. Bonds (Aero		
	Philadelphia, LLC), 5 1/2s, 1/1/24	BB/P	1,575,000
2,957,177	Philadelphia, Indl. Dev. Auth.		
	Special Fac. Rev. Bonds (U.S. Airways, Inc.), 8 1/8s, 5/1/30 (In		
	default) (NON)	D/P	88,715
1,800,000	Sayre Healthcare Fac. Auth.		
	Rev. Bonds (Guthrie Hlth.), Ser. A, 5 7/8s, 12/1/31	A-	1,851,750
South Carolina	(2.6%)		30,977,441
4,750,000	Connector 2000 Assn., Inc. SC Toll		
	Road Rev. Bonds (SR-Southern		
775 000	Connector), Ser. A, 5 3/8s, 1/1/38	В-	1,989,063
773,000	Lexington Cnty. Rev. Bonds, 5 1/2s, 11/1/32	A2	789 <b>,</b> 531
5,000,000	Richland Cnty. Rev. Bonds (Intl.		·
	Paper Co. Project), Ser. A, 4 1/4s, 10/1/07	Baa2	5,106,250
1,250,000	SC Hosp. Auth. Rev. Bonds (Med.	Daaz	3,100,230
	U.), Ser. A, 6 1/2s, 8/15/32	Baa2	1,300,000
1,000,000	SC Jobs Econ. Dev. Auth. Hosp. Fac. Rev. Bonds (Palmetto Hlth.		
	Alliance), Ser. A, 7 3/8s, 12/15/21	Baa2	1,133,750
	SC Tobacco Settlement Rev. Mgt.		
1 300 000	Rev. Bonds, Ser. B 6 3/8s, 5/15/30	A3	1,105,000
	6 3/8s, 5/15/28	A3	2,606,250
			14,029,844
South Dakota (	0.3%)		·
2,000,000	SD Edl. Enhancement Funding Corp.		
	Rev. Bonds, Ser. B, 6 1/2s, 6/1/32	A1	1,732,500
ennessee (3.3	%)		
6,000,000	Johnson City, Hlth. & Edl. Fac.		
	Board Hosp. IFB, Ser. A2, MBIA,		
	10.495s, 7/1/21 (acquired 2/8/00, cost \$5,651,400) (RES)	Aaa	7,702,500
4,700,000	Johnson City, Hlth. & Edl. Fac.	1144	7,702,300
	Board Hosp. Rev. Bonds (Mountain		

States Hlth.), Ser. A, 7 1/2s,

2,175,000 Knox Cnty., Hlth. Edl. & Hsg. Fac Board Rev. Bonds (Ft. Sanders

7/1/33

Baa2 5,246,375

	2,000,000	Alliance), MBIA, 5 1/4s, 1/1/15 Shelby Cnty. Hlth. Edl. & Hsg. Fac. Board Rev. Bonds (Methodist	Aaa	2,414,250
		Healthcare), 6 1/2s, 9/1/26	Baa1	2,145,000
Texas	s (7.4%)			17,508,125
		Alliance, Arpt. Auth. Rev. Bonds		
	1,430,000	(American Airlines, Inc.), 7 1/2s, 12/1/29	Caa2	471,900
	8,100,000	(Federal Express Corp.), 6 3/8s, 4/1/21 (SEG)	Baa2	8,424,000
	9,500,000	Austin, Elec. Util. Syst.		
	4,655,000	Rev. Bonds, FSA, 5s, 1/15/30 Carrollton, Farmers Branch Indpt. School Dist. G.O. Bonds, PSFG, 5s,	Aaa	9,642,500
	1 000 000	2/15/17	Aaa	4,951,756
	1,000,000	Comal Cnty. Hlth. Fac. Dev. Corp. Rev. Bonds (Hlth. Care System - McKenna Memorial Project), Ser. A,		
		6 1/4s, 2/1/32	Baa2	1,007,500
		Dallas-Fort Worth, Intl. Arpt. Fac. Impt. Corp. Rev. Bonds (American Airlines, Inc.)		
		7 1/4s, 11/1/30	Caa2	900,000
		6 3/8s, 5/1/35	Caa2	2,640,000
	3,000,000	Harris Cnty., Hlth. Fac. Rev. Bonds (Memorial Hermann Hlth. Care),		
		Ser. A, 6 3/8s, 6/1/29	A3	3,217,500
	2,000,000	Lower Neches Valley Indl. Dev. Swr.		
		Auth. Rev. Bonds (Mobil Oil Refining Corp.), 6.4s, 3/1/30	Aaa	2,102,500
	2,500,000	Sam Rayburn Muni. Pwr. Agcy.	1100	2,102,000
		Rev. Bonds, 6s, 10/1/21	Baa2	2,606,250
	2,000,000	Tomball, Hosp. Auth. Rev. Bonds (Tomball Regl. Hosp.),		
		6s, 7/1/29	Baa2	2,025,000
		Tyler, Hlth. Facs. Dev. Corp.		
	745 000	Rev. Bonds (Mother Frances Hosp.) 5s, 7/1/08	Baa1	791,563
		5s, 7/1/07	Baa1	532,500
Utah	(2.5%)			39,312,969
	5.000.000	Intermountain Power Agency		
	0,000,000	Rev. Bonds, Ser. A, FSA,		
	8 000 000	5s, 7/1/11 Tooele Cnty., Harbor & Term. Dist.	AAA	5,556,250
	0,000,000	Port Fac. Rev. Bonds (Union		
		Pacific), Ser. A, 5.7s, 11/1/26	Baa3	8,020,000
				13,576,250
Virg	inia (0.8%	)		10,010,200
	1,500,000	Fredericksburg Indl. Dev. Auth.		
		Rev. Bonds (Medicorp Hlth. Syst.),	7.0	1 501 055
	3.900 000	Ser. B, 5 1/8s, 6/15/33 Pocahontas Parkway Assn. Toll Rd.	A3	1,501,875
	2,300,000	Rev. Bonds, Ser. A, 5 1/2s, 8/15/28	ВВ	2,593,500

Washington (1.	4,095,375		
5,000,000	King Cnty., G.O. Bonds, Ser. C,		
2,200,000	6 1/4s, 1/1/32 Port of Seattle, Special Fac. Rev. Bonds (Northwest Airlines,	Aa1	5,631,250
	Inc.), 7 1/4s, 4/1/30	B-/P	1,430,000
West Virginia	(0.4%)		7,061,250
2,500,000	Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29	ВаЗ	1,931,250
Wisconsin (1.2	%)		
3,000,000	Badger Tobacco Settlement Asset Securitization Corp.		
3,900,000	Rev. Bonds, 6 3/8s, 6/1/32 WI State Hlth. & Edl. Fac. Auth.	А3	2,527,500
	Rev. Bonds (Wheaton Franciscan), 5 3/4s, 8/15/30	A2	3,997,500
			6,525,000
	Total Municipal Bonds and Notes (cost \$554,401,356)		\$527,842,030
Preferred stoc Number of shar			Value
2,000,000	Charter Mac. Equity Trust 144A		40 170 500
4,000,000	Ser. A, 6.625% cum. pfd. MuniMae Tax Exempt Bond Subsidiary,	BBB-/P	\$2,172,500
	LLC 144A 6.875% cum. pfd.	BB+/P	4,395,000
	Total Preferred Stocks (cost \$6,000,000)		\$6 <b>,</b> 567 <b>,</b> 500
	Total Investments (cost \$560,401,356)		\$534,409,530

- (a) Percentages indicated are based on portfolio market value.
- (RAT) The Moody's or Standard & Poor's ratings indicated are believed to be the most recent ratings available at April 30, 2003 for the securities listed. Ratings are generally ascribed to securities at the time of issuance. While the agencies may from time to time revise such ratings, they undertake no obligation to do so, and the ratings do not necessarily represent what the agencies would ascribe to these securities at April 30, 2003. Securities rated by Putnam are indicated by "/P" and are not publicly rated.
- (NON) Non-income-producing security.
- (RES) Restricted, excluding 144A securities, as to public resale. The total market value of restricted securities held at April 30, 2003 was \$32,900,394 or 6.2% of portfolio market value.
- (SEG) A portion of this security was pledged and segregated with the

custodian to cover margin requirements for futures contracts at April 30, 2003.

144A after the name of a security represents those exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration, normally to qualified institutional buyers.

The rates shown on IFB and IF COP, which are securities paying interest rates that vary inversely to changes in the market interest rates, and VRDN and mandatory puts are the current interest rates at April 30, 2003.

The fund had the following industry group concentrations greater than 10% at April 30, 2003 (as a percentage of portfolio market value):

Health care 26.7% Transportation 19.5 Utilities 16.0

The fund had the following insurance concentrations greater than 10% at April 30, 2003 (as a percentage of portfolio market value):

AMBAC 13.7% MBIA 12.0

Futures Contracts Outstanding at April 30, 2003

	Market Value	Aggregate Face Value	Expiration Date	Unrealized Depreciation
U.S. Treasury Note 10 yr (Short)	\$25,327,500	\$25,205,746	Jun-03	\$(121,754)

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

STATEMENT OF ASSETS AND LIABILITIES April 30, 2003 (Unaudited)

\$534,409,530
1,246,128
11,319,791
19,132,545
566,107,994
130,625
2,290,686

Payable for securities purchased	11,726,893
Payable for compensation of Manager (Note 2)	913,093
Payable for investor servicing and custodian fees (Note 2)	34,906
Payable for compensation of Trustees (Note 2)	42,833
Payable for administrative services (Note 2)	800
Other accrued expenses	56 <b>,</b> 297
Total liabilities	15,196,133
Series A, B and C remarketed preferred shares: (8,000 shares authorized; 1,750 shares issued at \$100,000 per share) (Note 4)	175,000,000
Net assets	\$375,911,861
Represented by	
Paid-in capital common shares (unlimited shares authorized) (Note 1)	\$435,026,079
Undistributed net investment income (Note 1)	1,598,284
Accumulated net realized loss on investments (Note 1)	(34,598,922
Net unrealized depreciation of investments	(26,113,580
Total Representing net assets applicable to common shares outstanding	\$375,911,861
Computation of net asset value	
Net asset value per common share (\$375,911,861 divided by 47,206,343 shares)	\$7.96
The accompanying notes are an integral part of thes	se financial statem
STATEMENT OF OPERATIONS Six months ended April 30, 2003 (Unaudited)	
Interest income:	\$17,722,681
Expenses:	
Compensation of Manager (Note 2)	1,851,982
Investor servicing and custodian fees (Note 2)	166,268

Compensation of Trustees (Note 2)		7,881
Administrative services (Note 2)		5,439
Preferred share remarketing		
agent fees 		204,168
Other 		117,490
Total expenses		2,353,228
Expense reduction (Note 2)		(10,781
Net expenses		2,342,447
Net investment income		15,380,234
Net realized loss on investments (Notes 1 and 3)		(8,233,622
Net realized loss on futures contracts (Note 1)		(720,450
Net unrealized appreciation of investments and futures contracts during the period		13,713,756
Net gain on investments		4,759,684
Net increase in net assets resulting from operations		\$20,139,918
Distributions to Series A, B, and C remarketed preferred shareholders: (Note 1)		
From tax exempt income		(1,055,009
Net increase in net assets resulting from operations applicable to		
common shareholders		\$19,084,909 
The accompanying notes are an integral	part of these	financial statem
STATEMENT OF CHANGES IN NET ASSETS		
	Six months ended	ended
Increase (decrease) in net assets	2003*	
 Operations:		
Net investment income	\$15,380,234	\$32,937,590
Net realized loss on investments	(8,954,072)	(3,409,597

Net unrealized appreciation

(depreciation) of investments	13,713,756	(30,443,946)
Net increase (decrease) in net assets resulting from operations	20,139,918	(915,953)
Distributions to Series A, B, and C remarketed preferred shareholders: (Note 1)		
From tax exempt income	(1,055,009)	(2,589,647)
Net increase (decrease) in net assets resulting from operations applicable to common shareholders	19,084,909	(3,505,600)
Distributions to common shareholders: (Note 1)		
From tax exempt income	(13,453,839)	(26,888,250)
Increase from issuance of common shares in connection with reinvestment of distributions		419,191
Total increase (decrease) in net assets	5,631,070	(29,974,659)
Net assets		
Beginning of period	370 <b>,</b> 280 <b>,</b> 791	400,255,450
End of period (including undistributed net investment income of \$1,598,284 and \$726,898, respectively)	\$375,911,861 	\$370,280,791 
Number of fund shares		
Common shares outstanding at beginning of period	47,206,343	47,155,237
Shares issued in connection with reinvestment of distributions		51,106
Common shares outstanding at end of period	47,206,343	47,206,343
Remarketed preferred shares outstanding at beginning and end of period	1,750	1,750

<sup>\*</sup> Unaudited

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

(For a common share outstanding throughout the period)

Six months ended April 30 Per-share (Unaudited) Year ended October 31 2003 2002 2001 2000 1999 operating performance Net asset value, beginning of period \$7.84 \$8.49 \$8.44 \$8.77 \$9.8 (common shares) Investment operations: .70 .72 .75 Net investment income (a) Net realized and unrealized .10 (.73) .04 (.16) (.9 gain (loss) on investments .43 (.03) .76 .59 (.1 Total from investment operations Distributions to preferred shareholders: \_\_\_\_\_\_ (.02) (.05) (.12) (.16) (.1 From net investment income \_\_\_\_\_\_ Total from investment operations: (applicable to .41 (.08) .64 .43 (.2 common shareholders) Distributions to common shareholders: (.29) (.57) (.59) (.76)From net investment income: (.29) (.57) (.59) (.76) (.7 Total distributions Net asset value, end of period (common shares) \$7.96 \$7.84 \$8.49 \$8.44 \$8.7 Market price, end of period \$7.58 \$7.43 \$9.8 (common shares) \$8.44 \$9.63 Total return at market price (%) 5.95\* (5.57) (6.21) 6.84 (7.7 (common shares) (b) Ratios and supplemental data Net assets, end of period (common shares) (in thousands) \$375,912 \$370,281 \$400,255 \$396,212 \$408,41 Ratio of expenses to average net assets (%)(c)(d) .63\* 1.25 1.22 Ratio of net investment income 3.84\* 7.84 7.01 6.97 to average net assets (%)(c)

Portfolio turnover (%)

14.64\* 20.44 17.95 16.72 12.8

<sup>\*</sup> Not annualized.

- (a) Per share net investment income has been determined on the basis of the weighted average number of shares outstanding during the period.
- (b) Total return assumes dividend reinvestment.
- (c) Ratios reflect net assets available to common shares only; net investment income ratio also reflects reduction for dividend payments to preferred shareholders.
- (d) Includes amounts paid through expense offset arrangements (Note 2).

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

NOTES TO FINANCIAL STATEMENTS April 30, 2003 (Unaudited)

Note 1 Significant accounting policies

Putnam Managed Municipal Income Trust (the "fund") is registered under the Investment Company Act of 1940, as amended, as a diversified, closed-end management investment company. The fund's investment objective is to seek a high level of current income exempt from federal income tax. The fund intends to achieve its objective by investing in a diversified portfolio of tax-exempt municipal securities which Putnam Investment Management, LLC ("Putnam Management"), the fund's manager, an indirect wholly-owned subsidiary of Putnam, LLC, believes does not involve undue risk to income or principal. Up to 50% of the fund's assets may consist of high-yield tax-exempt municipal securities that are below investment grade and involve special risk considerations. The fund also uses leverage by issuing preferred shares in an effort to increase the income to the common shares.

The following is a summary of significant accounting policies consistently followed by the fund in the preparation of its financial statements. The preparation of financial statements is in conformity with accounting principles generally accepted in the United States of America and requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities in the financial statements and the reported amounts of increases and decreases in net assets from operations during the reporting period. Actual results could differ from those estimates.

- A) Security valuation Tax-exempt bonds and notes are valued on the basis of valuations provided by an independent pricing service, approved by the Trustees. Such services use information with respect to transactions in bonds, quotations from bond dealers, market transactions in comparable securities and various relationships between securities in determining value. Restricted securities are valued at fair value following procedures approved by the Trustees. Such valuations and procedures are reviewed periodically by the Trustees.
- B) Security transactions and related investment income Security transactions are recorded on the trade date (date the order to buy or sell is executed). Gains or losses on securities sold are determined on the identified cost basis.

Interest income is recorded on the accrual basis. All premiums/discounts are amortized/accreted on a yield-to-maturity basis. The premium in excess of the call price, if any, is amortized to the call date; thereafter, any

remaining premium is amortized to maturity.

C) Futures and options contracts The fund may use futures and options contracts to hedge against changes in the values of securities the fund owns or expects to purchase. The fund may also write options on securities it owns or in which it may invest to increase its current returns.

The potential risk to the fund is that the change in value of futures and options contracts may not correspond to the change in value of the hedged instruments. In addition, losses may arise from changes in the value of the underlying instruments, if there is an illiquid secondary market for the contracts, or if the counterparty to the contract is unable to perform. When the contract is closed, the fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed. Realized gains and losses on purchased options are included in realized gains and losses on investment securities.

Futures contracts are valued at the quoted daily settlement prices established by the exchange on which they trade. The fund and the broker agree to exchange an amount of cash equal to the daily fluctuation in the value of the futures contract. Such receipts or payments are known as "variation margin." Exchange traded options are valued at the last sale price, or if no sales are reported, the last bid price for purchased options and the last ask price for written options. Options traded over-the-counter are valued using prices supplied by dealers. Futures and written option contracts outstanding at period end are listed after The fund's portfolio.

D) Federal taxes It is the policy of the fund to distribute all of its income within the prescribed time and otherwise comply with the provisions of the Internal Revenue Code applicable to regulated investment companies. It is also the intention of the fund to distribute an amount sufficient to avoid imposition of any excise tax under Section 4982 of the Internal Revenue Code of 1986, as amended. Therefore, no provision has been made for federal taxes on income, capital gains or unrealized appreciation on securities held nor for excise tax on income and capital gains.

At October 31, 2002, the fund had a capital loss carryover of approximately \$24,642,000 available to the extent allowed by tax law to offset future capital gains, if any. The amount of the carryover and the expiration dates are:

Loss Carryover	Expiration	
\$321,000	October 31,	2003
11,188,000	October 31,	2005
2,895,000	October 31,	2006
3,629,000	October 31,	2007
1,237,000	October 31,	2008
1,642,000	October 31,	2009
3,730,000	October 31,	2010

The aggregate identified cost on a tax basis is \$560,196,631, resulting in gross unrealized appreciation and depreciation of \$26,642,818 and \$52,429,919, respectively, or net unrealized depreciation of \$25,787,101.

E) Distributions to shareholders Distributions to common and preferred shareholders from net investment income are recorded by the fund on the ex-dividend date. Distributions from capital gains, if any, are recorded on the ex dividend date and paid at least annually. Dividends on re marketed preferred shares become payable when, as and if declared by the Trustees. Each dividend period for the remarketed preferred shares is generally a

28-day period for Series A and Series B shares, and a 7-day period for Series C shares. The applicable dividend rate for the remarketed preferred shares on April 30, 2003 was 1.08% for Series A, 1.09% for Series B and 1.19% for Series C. The amount and character of income and gains to be distributed are determined in accordance with income tax regulations, which may differ from generally accepted accounting principles. Reclassifications are made to the fund's capital accounts to reflect income and gains available for distribution (or available capital loss carryovers) under income tax regulations.

F) Determination of net asset value Net asset value of the common shares is determined by dividing the value of all assets of the fund, less all liabilities and the liquidation preference of any outstanding remarketed preferred shares, by the total number of common shares outstanding as of period end.

#### Note 2

Management fee, administrative services and other transactions

Putnam Management is paid for management and investment advisory services quarterly based on the average net assets of the fund. Such fee is based on the following annual rates: 0.70% of the first \$500 million of the average weekly net assets, 0.60% of the next \$500 million, 0.55% of the next \$500 million and 0.50% thereafter.

If dividends payable on remarketed preferred shares during any dividend payment period plus any expenses attributable to remarketed preferred shares for that period exceed the fund's gross income attributable to the proceeds of the remarketed preferred shares during that period, then the fee payable to Putnam Management for that period will be reduced by the amount of the excess (but not more than .70% of the liquidation preference of the remarketed preferred shares outstanding during the period).

The fund reimburses Putnam Management an allocated amount for the compensation and related expenses of certain officers of the fund and their staff who provide administrative services to the fund. The aggregate amount of all such reimbursements is determined annually by the Trustees.

Custodial functions for the fund's assets are provided by Putnam Fiduciary Trust Company (PFTC), a wholly-owned subsidiary of Putnam, LLC. Investor servicing agent functions are provided by Putnam Investor Services, a division of PFTC.

The fund has entered into an arrangement with PFTC whereby credits realized as a result of uninvested cash balances are used to reduce a portion of the fund's expenses. For the six months ended April 30, 2003, the fund's expenses were reduced by \$10,781 under these arrangements.

Each independent Trustee of the fund receives an annual Trustee fee, of which \$737 has been allocated to the fund, and an additional fee for each Trustees meeting attended. Trustees receive additional fees for attendance at certain committee meetings.

The fund has adopted a Trustee Fee Deferral Plan (the "Deferral Plan") which allows the Trustees to defer the receipt of all or a portion of Trustees fees payable on or after July 1, 1995. The deferred fees remain invested in certain Putnam funds until distribution in accordance with the Deferral Plan.

The fund has adopted an unfunded noncontributory defined benefit pension plan (the "Pension Plan") covering all Trustees of the fund who have served as a Trustee for at least five years. Benefits under the Pension Plan are

equal to 50% of the Trustee's average total retainer and meeting fees for the three years preceding retirement. Pension expense for the fund is included in Compensation of Trustees in the Statement of operations. Accrued pension liability is included in Payable for compensation of Trustees in the Statement of assets and liabilities.

Note 3
Purchases and sales of securities

During the six months ended April 30, 2003, cost of purchases and proceeds from sales of investment securities other than short-term investments aggregated \$89,403,022 and \$77,040,786, respectively. There were no purchases and sales of U.S. government obligations.

Note 4 Preferred shares

The Series A (550), Series B (550) and Series C (650) shares are redeemable at the option of the fund on any dividend payment date at a redemption price of \$100,000 per share, plus an amount equal to any dividends accumulated on a daily basis but unpaid through the redemption date (whether or not such dividends have been declared) and, in certain circumstances, a call premium.

Under the Investment Company Act of 1940, the fund is required to maintain asset coverage of at least 200% with respect to the remarketed preferred shares as of the last business day of each month in which any such shares are outstanding. Additionally, the fund is required to meet more stringent asset coverage requirements under terms of the remarketed preferred shares and the shares' rating agencies. Should these requirements not be met, or should dividends accrued on the remarketed preferred shares not be paid, the fund may be restricted in its ability to declare dividends to common shareholders or may be required to redeem certain of the remarketed preferred shares. At April 30, 2003, no such restrictions have been placed on the fund.

### FUND INFORMATION

#### About Putnam Investments

One of the largest mutual fund families in the United States, Putnam Investments has a heritage of investment leadership dating back to Judge Samuel Putnam, whose Prudent Man Rule has defined fiduciary tradition and practice since 1830. Founded over 65 years ago, Putnam Investments was built around the concept that a balance between risk and reward is the hallmark of a well-rounded financial program. We presently manage over 100 mutual funds in growth, value, blend, fixed income, and international.

Investment Manager

Putnam Investment Management, LLC One Post Office Square Boston, MA 02109

Marketing Services

Putnam Retail Management One Post Office Square Boston, MA 02109

Custodian

Putnam Fiduciary Trust Company

Legal Counsel

Ropes & Gray

Trustees

John A. Hill, Chairman Jameson Adkins Baxter Charles B. Curtis Ronald J. Jackson Paul L. Joskow Elizabeth T. Kennan Lawrence J. Lasser John H. Mullin III Robert E. Patterson George Putnam, III A.J.C. Smith W. Thomas Stephens W. Nicholas Thorndike

Officers

George Putnam, III President

Charles E. Porter Executive Vice President, Treasurer and Principal Financial Officer

Patricia C. Flaherty Senior Vice President

Karnig H. Durgarian Vice President and Principal Executive Officer

Steven D. Krichmar Vice President and Principal Financial Officer

Michael T. Healy Assistant Treasurer and Principal Accounting Officer

Brett C. Browchuk Vice President

Charles E. Haldeman, Jr. Vice President

Lawrence J. Lasser Vice President

Beth S. Mazor Vice President

Richard A. Monaghan Vice President

Stephen M. Oristaglio Vice President

Gordon H. Silver Vice President

Mark C. Trenchard

Vice President

Jerome J. Jacobs Vice President

Judith Cohen Clerk and Assistant Treasurer

Call 1-800-225-1581 weekdays from 9 a.m. to 5 p.m. Eastern Time, or visit our Web site (www.putnaminvestments.com) any time for up-to-date information about the fund's NAV.

[LOGO OMITTED]

PUTNAM INVESTMENTS

The Putnam Funds One Post Office Square Boston, Massachusetts 02109

\_\_\_\_\_

PRSRT STD
U.S. POSTAGE PAID
PUTNAM
INVESTMENTS

\_\_\_\_\_

Do you want to save paper and receive this document faster? Shareholders can sign up for email delivery of shareholder reports on www.putnaminvestments.com.

88639 052 6/03

Item 2. Code of Ethics:

Not applicable

Item 3. Audit Committee Financial Expert:

\_\_\_\_\_

Not applicable

Item 4. Principal Accountant Fees and Services:

-----

Not applicable

Items 5-6. [Reserved]

\_\_\_\_\_

Item 7. Disclosure of Proxy Voting Policies and Procedures For Closed End

Management Investment Companies: Not applicable

-----

Item 8. [Reserved]

\_\_\_\_\_

Item 9. Controls and Procedures:

\_\_\_\_\_

The registrant's principal executive officer and principal financial officers have concluded, based on their evaluation of the effectiveness of the design and operation of the registrant's disclosure controls and procedures as of a date within 90 days of the filing date of this report on Form N-CSR, that the design and operation of such procedures are effective to provide reasonable assurance that information required to be disclosed by the investment company in the reports that it files or submits under the Securities Exchange Act of 1934 is recorded, processed, summarized, and reported within the time periods specified in the Commission's rules and forms.

There have been no significant changes in the registrant's internal controls subsequent to the date of their evaluation.

# Item 10. Exhibits:

- (a) Not applicable
- (b) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Investment Company Act of 1940, as amended, and the officer certifications as required by Section 906 of the Sarbanes-Oxley Act of 2002 are filed herewith.

#### SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

NAME OF REGISTRANT

By (Signature and Title): /s/Michael T. Healy

-----

Michael T. Healy

Principal Accounting Officer

Date: June 24, 2003

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title): /s/Karnig H. Durgarian

-----

Karnig H. Durgarian

Principal Executive Officer

Date: June 24, 2003

By (Signature and Title): /s/Charles E. Porter

\_\_\_\_\_

Charles E. Porter

Principal Financial Officer

Date: June 24, 2003

By (Signature and Title): /s/Steven D. Krichmar

\_\_\_\_\_

Steven D. Krichmar

Principal Financial Officer

Date: June 24, 2003