PUTNAM MANAGED MUNICIPAL INCOME TRUST Form N-30D December 20, 2002 Putnam Managed Municipal Income Trust ANNUAL REPORT ON PERFORMANCE AND OUTLOOK 10-31-02 [GRAPHIC OMITTED: WATCH] [SCALE LOGO OMITTED] FROM THE TRUSTEES [GRAPHIC OMITTED: PHOTO OF JOHN A. HILL AND GEORGE PUTNAM III] Dear Fellow Shareholder: Putnam Managed Municipal Income Trust's mandate requires its managers

to seek high current income free from federal income tax by investing in a diversified portfolio of tax-exempt municipal securities. With an eye toward the prevailing uncertainties in the markets during the fiscal year ended October 31, 2002, the managers invested a majority of the fund's assets in high-quality bonds for the safety they provide.

At the same time, they committed about a third of the fund's assets to lower-rated securities to take advantage of the higher income available from these issues. As the fiscal year progressed, investors became increasingly cautious and abandoned lower-rated bonds, preferring the safer haven of higher-quality issues. The short-term price decline in lower-rated bonds resulting from this flight to quality was a key factor in the fund's underperformance relative to its benchmark and its Lipper category average for the period.

You will find a full explanation of the fund's performance during the fiscal year in the following report from the fund's managers. They also offer their views on the fund's prospects in the months ahead.

Respectfully yours,

/S/ JOHN A. HILL

/S/ GEORGE PUTNAM, III

John A. Hill Chairman of the Trustees December 18, 2002 George Putnam, III President of the Funds

REPORT FROM FUND MANAGEMENT

This fund is managed by the Putnam Tax Exempt Fixed-Income Team

During the fiscal year ending October 31, 2002, performance in the municipal-bond market was split between high-quality bonds, which performed well, and lower-rated bonds, which underperformed. In this year of uncertainty, Putnam Managed Municipal Income Trust's management team fine-tuned the fund's portfolio in response to market developments -- most notably, the fixed-income market's rally and sudden reversal in October, the dramatic increase in municipal-bond supply, and a widening

of credit spreads between lower- and higher-yielding municipal bonds.

Total return for 12 months ended 10/31/02

NAV	Market price	; price
-0.94%	-5.57%	.57%

Past performance does not indicate future results. Performance based on market prices for the shares will vary from performance based on the portfolio's net asset value. Performance information for longer periods begins on page 8.

While your fund holds the majority of its assets in high-quality municipal bonds, it is also invested in higher-yielding, lower-rated municipal bonds, which contribute considerably to the portfolio's monthly income. Responding to uncertainty about the economic recovery and improprieties at several high-profile corporations, investors shunned securities in the lower-rated sector of the municipal-bond market in favor of higher-quality securities. As a result, prices of lower-rated securities in the portfolio fell as the higher-quality bonds rallied. This caused the fund to post a small loss (at net asset value) for the year and to underperform both the Lehman Municipal Bond Index and the average for its Lipper category.

Your fund's market price reflects changes in shareholder sentiment and the balance of supply and demand for shares, as well as actual performance of the portfolio holdings. The return at market price, which shows a greater loss than the return at net asset value, may be a further indication of investors' negative perception of lower-rated securities, which prevailed for much of the period. A significant dividend cut, which occurred in December 2000, has contributed to the lower market return over the past five years.

[GRAPHIC OMITTED: horizontal bar chart TOP INDUSTRY SECTORS]

TOP INDUSTRY SECTORS\*

Health care	28.9%
Transportation	25.0%
Utilities	6.4%
Water and sewer	5.8%
Housing	4.7%

Footnote reads: \*Based on market value as of 10/31/02. Holdings will vary over time.

\* SPUTTERING ECONOMY SPURS BOND RALLY AND FLIGHT TO QUALITY

During much of the fund's fiscal year, low inflation, declining interest rates, and the ongoing shakeout in the stock market created a hospitable environment for fixed-income investing. In the spring and summer of 2002, the bond rally was accelerating, with heavy investor demand across all sectors of the municipal-bond market. However, corporate malfeasance, rising layoffs, and a potential war with Iraq began to

undermine investors' enthusiasm. In August and September, when the uncertainty and fall in consumer confidence became most pronounced, many municipal-bond investors had shifted assets into high-quality tax-exempt securities. Credit spreads -- the difference in yield between high-quality and lower-rated bonds -- became extremely wide. As a result, prices for lower-rated municipal bonds declined. These declines had the effect of erasing much of the price gain your fund had amassed earlier in the year.

Many of the fund's lower-rated holdings are in the form of Industrial Development Bonds (IDBs). These are municipal bonds that are issued to encourage local expansion by various businesses.

[GRAPHIC OMITTED: pie chart CREDIT QUALITY OVERVIEW]

CREDIT QUALITY OVERVIEW\*

AAA/Aaa -- 34.5%

AA/Aa -- 1.4%

A -- 16.9%

BBB/Baa -- 24.0%

BB/Ba -- 12.8%

B/B -- 4.2%

CCC/Ca -- 1.6%

D -- 1.1%

VMIG1 -- 3.5%

Footnote reads:

\*As a percentage of market value as of 10/31/02. A bond rated Baa or higher is considered investment grade. All ratings reflect Moody's and Standard & Poor's descriptions unless noted otherwise; percentages may include unrated bonds considered by Putnam Management to be of comparable quality. Ratings will vary over time.

The bonds are backed only by the credit of the company benefiting from the financing, not by the issuing municipality. As a result, IDBs rise and fall in price based on investor perceptions of the health of the individual business entity or the industry group as a whole. For example, a number of the fund's bonds were issued to finance airport facility expansion by various airlines. As the airlines have suffered from declining traffic and high fixed costs, many of the airline-related tax exempt bonds have declined in price. Moreover, the fund owns small quantities of bonds backed by the credit of U.S. Air and United Airlines, both of which have filed for Chapter 11. However, we believe that these bonds may recover in price as the airlines reorganize.

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.

The fund's relative performance was also hurt by our decision to position the portfolio defensively -- for a rise in interest rates -during a substantial bond-market rally that we had not considered a likely development. Our forecast called for a modest economic recovery in the next six to twelve months. Since the markets tend to anticipate such a recovery, we began to reposition the portfolio to minimize the negative effects of a rising-rate environment that would accompany such a recovery. Given the large-scale flight to quality and strong bond-market rally that followed, this strategy was not favorable for the fund's performance. However, given the strong performance of bonds over stocks for nearly three consecutive years, and with interest rates at record lows, we believed that positioning the fund defensively was a prudent strategy.

\* LOWER-RATED BONDS OFFER OPPORTUNITY BUT REQUIRE CAREFUL RISK MANAGEMENT

The fund still has a considerable exposure to the lower-quality, higher-yielding segment of the municipal-bond market, and we believe these holdings will survive the difficult credit cycle intact. Two primary sources for these lower-rated bonds are Industrial Development Bonds and health care bonds. Although many bonds in this sector have declined in price, we believe these bonds still offer value for shareholders. In our view, economic growth is beginning to improve, and there is the risk that interest rates in the year ahead may rise. In this type of environment, lower-rated, higher-yielding bonds typically outperform higher quality bonds.

An example of our strategy can be found in the IDBs backed by electric power industry. Although the industry remains troubled by revelations of market manipulation and is still struggling with deregulation, overcapacity, and depressed prices, the fund owns some holdings in this industry which have favorable credit profiles. Among these are the Sam Rayburn Texas Municipal Power bonds. These bonds, which are financing the delivery of power to three cities in southeast Texas, were recently upgraded from the BB category to the BBB category. In addition, electricity rates for these cities are reviewed monthly rather than annually, which should help ensure the facility has sufficient revenues to meet debt obligations.

In the hospital sector, which is still struggling with a high cost structure, we've located several well-managed hospitals that are benefiting from technological advances, the loosening of managed-care restrictions, and an aging population. For example, the John C. Lincoln Health Network in Arizona may be experiencing growth pressures that require the hospital to borrow additional money to expand facilities, but the influx of retirees and a general population increase is creating rising demand for services.

We have also sought investment opportunities in bonds from issuers outside the traditional municipal-bond services sectors to help diversify risk. Tax-exempt bonds relating to land development in Florida have been particularly rewarding for the fund. Strong building and sales trends, strategic locations, easy access to transportation, and large, reputable developers are important factors in selecting secured land bonds. The fund's investments in Heritage Harbour South Community bonds are financing a residential development in Tampa, which will ultimately include 5,000 homes. This planned community is controlled by Lennar Corporation, one of the largest homebuilders in the nation, with operations in many of the South's highest-growth states. \* TEAM SEEKS THE MOST PRUDENT COURSE

Following the close of the fund's fiscal year, two significant events took place. First, the Federal Reserve Board lowered the federal funds rate by half a percentage point in response to the economy's continued sluggishness and investors' lack of confidence. Secondly, California came to market in early November with the long-anticipated issuance of power revenue bonds that the state has planned for over a year. The monies raised by the power bond issuance will be used, in part, to reimburse the state's General Fund. The size of the issuance — over \$6.5 billion — is quite significant and created concerns about how the tax-exempt market would absorb it. Further aggravating the supply/demand imbalance is the continued refunding activity by municipalities and municipal issuers looking to retire expensive, high-interest debt to lower their expenses.

Lower interest rates and rising supply, in theory, can have a countervailing effect -- the former can boost prices while the latter depresses them. In light of these and other constantly changing forces, successful management requires in-depth research, vigilance, and patience. We believe that when the economic outlook becomes more positive, high-quality bonds could come under pressure as interest rates rise, which has already begun to happen. If rates continue to rise over the next several years, as we expect them to, we believe the lower-rated sectors should outperform. We cannot know when this change is likely to take place, but we feel confident that our decision to position your fund in anticipation of rising interest rates and narrowing credit spreads should ultimately benefit shareholders.

The views expressed here are exclusively those of Putnam Management. They are not meant as investment advice. Although the described holdings were viewed favorably as of 10/31/02, there is no guarantee the fund will continue to hold these securities in the future. Mutual funds that invest in government securities are not guaranteed. Mortgage-backed securities are subject to prepayment risk.

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.

### PUTNAM'S POLICY ON CONFIDENTIALITY

In order to conduct business with our shareholders, we must obtain certain personal information such as account holders' addresses, telephone numbers, Social Security numbers, and the names of their financial advisors. We use this information to assign an account number and to help us maintain accurate records of transactions and account balances.

It is our policy to protect the confidentiality of your information, whether or not you currently own shares of our funds, and in particular, not to sell information about you or your accounts to outside marketing firms. We have safeguards in place designed to prevent unauthorized access to our computer systems and procedures to protect personal information from unauthorized use.

Under certain circumstances, we share this information with outside vendors who provide services to us, such as mailing and proxy solicitation. In those cases, the service providers enter into confidentiality agreements with us, and we provide only the information

necessary to process transactions and perform other services related to your account. We may also share this information with our Putnam affiliates to service your account or provide you with information about other Putnam products or services. It is also our policy to share account information with your financial advisor, if you've listed one on your Putnam account.

If you would like clarification about our confidentiality policies or have any questions or concerns, please don't hesitate to contact us at 1-800-225-1581, Monday through Friday, 8:30 a.m. to 7:00 p.m., or Saturdays from 9:00 a.m. to 5:00 p.m. Eastern Time.

### PERFORMANCE SUMMARY

This section provides information about your fund's performance, which should always be considered in light of its investment strategy.

#### TOTAL RETURN FOR PERIODS ENDED 10/31/02

	NAV	Market price	Lehman Municipal Bond Index		
1 year	-0.94%	-5.57%	5.87%	2.08%	
5 years Annual average		-8.78 -1.82	34.69 6.14	12.26 2.34	
10 years Annual average		60.12 4.82	93.55 6.83	27.95 2.50	
Life of fund (since 2/24/89) Annual average	6.63	5.65	7.55	2.96	

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.

TOTAL RETURN FOR PERIODS ENDED 9/30/02 (most recent calendar quarter)

	NAV	Market price
1 year	3.76%	3.28%
5 years Annual average	18.86 3.52	1.58 0.31
10 years Annual average	72.87 5.63	66.03 5.20
Life of fund (since 2/24/89) Annual average	6.95	6.40

Past performance does not indicate future results. More recent returns may be more or less than those shown. They do not take into account any

adjustment for taxes payable on reinvested distributions. Investment return and principal value will fluctuate, and you may have a gain or a loss when you sell your shares.

PRICE AND DISTRIE	BUTION INFORMATION 12 MO	NTHS ENDED 10/31/02	
Distributions fro			
Number		12	
Income 1		\$0.570	
Capital gains			
Total		\$0.570	
	Series A (550 shares)	Series B (550 shares)	Series C (650 shares)
Income	\$1,475.87	\$1,480.43	\$1,482.59
Share value:			Market value
10/31/01		\$8.49	\$8.44
10/31/02		7.84	7.43
Current return (e	end of period)		
Current dividend rate 2		7.27%	7.67%
Taxable equivalent 3		11.84	12.49

1 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.

- 2 Most recent distribution, excluding capital gains, annualized and divided by NAV or market price at end of period.
- 3 Assumes maximum 38.6% tax rate for 2002. 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 BENCHMARKS

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

Consumer price index (CPI) is a commonly used measure of inflation; it does not represent an investment return.

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.

#### A GUIDE TO THE FINANCIAL STATEMENTS

These sections of the report, as well as the accompanying Notes, preceded by the Report of independent accountants, 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 year.

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.

REPORT OF INDEPENDENT ACCOUNTANTS

The Board of Trustees and Shareholders Putnam Managed Municipal Income Trust

We have audited the accompanying statement of assets and liabilities of Putnam Managed Municipal Income Trust including the fund's portfolio, as of October 31, 2002, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the years in the two-year period then ended and financial highlights for each of the years in the four-year period then ended. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform our audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. Our procedures included confirmation of securities owned as of October 31, 2002 by correspondence with the custodian. 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 and financial highlights referred to above present fairly, in all material respects, the financial position of Putnam Managed Municipal Income Trust as of October 31, 2002, the results of its operations for the year then ended, and changes in its net assets for each of the years in the two-year period then ended and financial highlights for each of the years in the four-year period then ended in conformity with accounting principles generally accepted in the United States of America.

KPMG LLP

Boston, Massachusetts December 5, 2002

THE FUND'S PORTFOLIO October 31, 2002

KEY TO ABBREVIATION	S	
AMBAC		AMBAC Indemnity Corporation
COP		Certificate of Participation
FGIC		Financial Guaranty Insurance Company
FNMA Coll.		Federal National Mortgage Association Collateralized
FSA		Financial Security Assurance
GNMA Coll.		Government National Mortgage Association Collateralized
G.O. Bonds		General Obligation Bonds

IFB IF COP MBIA PSFG VRDN	<ul> <li>Inverse Floating Rate Bonds</li> <li>Inverse Floating Rate Certificate of Participation</li> <li>MBIA Insurance Company</li> <li>Permanent School Fund Guaranteed</li> <li>Variable Rate Demand Notes</li> </ul>	
MUNICIPAL BONDS AND PRINCIPAL AMOUNT	NOTES (98.8%) (a)	RATING
Alaska (0.4%)		
\$2,000,000	Valdez Marine Term. Rev. Bonds (Sohio Pipeline), 7 1/8s, 12/1/25	AA+
Arizona (2.7%)		
5,000,000	Apache Cnty., Indl. Dev. Auth. Poll. Control Rev. Bonds (Tucson Elec. Pwr. Co.), Ser. B, 5 7/8s, 3/1/33	Ba3
1,000,000	AZ Hlth. Fac. Auth. Hosp. Syst. Rev. Bonds (John C. Lincoln Hlth. Network), 6 3/8s, 12/1/37	BBB
	Casa Grande, Indl. Dev. Auth. Rev. Bonds (Casa Grande, Regl. Med. Ctr.), Ser. A, 7 5/8s, 12/1/29	B/P
	Coconino Cnty., Poll. Control Rev. Bonds (Tuscon/Navajo Elec. Pwr.), Ser. A, 7 1/8s, 10/1/32	Ba3
	Phoenix, Indl. Dev. Auth. Arpt. Fac. Rev. Bonds (America West Airlines), 6 1/4s, 6/1/19 Scottsdale, Indl. Dev. Hosp. Auth. Rev. Bonds	Ca
1,000,000	(Scottsdale Healthcare), 5.8s, 12/1/31	A3
Arkansas (2.0%)		
	AR State Hosp. Dev. Fin. Auth. Rev. Bonds	D2
6,000,000	(Washington Regl. Med. Ctr.), 7 3/8s, 2/1/29 Northwest Regl. Arpt. Auth. Rev. Bonds, 7 5/8s, 2/1/27	Baa3 BB/P

## California (6.4%)

7,000,000	CA Hlth. Fac. Auth. IFB (Catholic Hlth. Care West),	
	AMBAC, 6.786s, 7/1/17	Aaa
3,000,000	CA Statewide Cmnty. Dev. Auth. COP	
	(The Internext Group), 5 3/8s, 4/1/30	BBB
	Corona, COP	
2,775,000	(Vista Hosp. Syst.), Ser. B, 9 1/2s, 7/1/20	
	(In default) (NON)	D/P
5,000,000	(Hosp. Syst. Inc.), Ser. C, 8 3/8s, 7/1/11	
	(In default) (NON)	D/P
2,000,000	Gilroy, Rev. Bonds (Bonfante Gardens Park),	
	8s, 11/1/25	B/P
3,500,000	San Bernardino Cnty., IF COP, MBIA, 11.353s, 8/1/28	
	(acquired 6/27/95, cost \$3,777,340) (RES)	AAA/P
3,000,000	San Luis Obispo, COP (Vista Hosp. Syst., Inc.), 8 3/8s,	
	7/1/29 (In default) (NON)	D/P
8,750,000	Santa Clara Cnty., Fin. Auth. Lease Rev. Bonds	
	(VMC Fac. Replacement Project), Ser. A, AMBAC,	
	6 3/4s, 11/15/20	Aaa
6,150,000	Valley Hlth. Syst. Hosp. Rev. Bonds (Refunding & Impt.),	
	Ser. A, 6 1/2s, 5/15/25	BB

Colorado (2.4%)		
3,015,0	00 CO Hlth. Fac. Auth. Rev. Bonds (Evangelical	
	Lutheran Project), 3.05s, 10/1/05	A3
15 500 0	CO Hwy. Auth. Rev. Bonds (E-470 Pub. Hwy.), Ser. B	5 0
	00 zero %, 9/1/35	Baa3
	00 zero %, 9/1/34 00 CO State Edl. Fac. Auth. Rev. Bonds (Ocean	Baa3
5,000,0	Journey, Inc.), 8.3s, 12/1/17 (In default) (NON)	D/P
	Denver, City & Cnty. Arpt. Rev. Bonds	272
1,050,0	00 Ser. D, AMBAC, 7 3/4s, 11/15/13	AAA
2,500,0	00 MBIA, 5 1/2s, 11/15/25	Aaa
1,400,0	00 Northwest Parkway Pub. Hwy. Auth. Rev. Bonds,	
	Ser. D, 7 1/8s, 6/15/41	Ba1
District of Colum		
4,000,0	00 DC Tobacco Settlement Fin. Corp. Rev. Bonds,	
_,,	AMBAC, 6 1/2s, 5/15/33	A1
Florida (4.2%)		
2,000,0	00 Capital Trust Agcy. Rev. Bonds (Seminole Tribe	
	Convention), Ser. A, 10s, 10/1/33	B/P
3,210,0	00 Escambia Cnty., Poll. Control Rev. Bonds (Champion	
4 000 0	Intl. Corp.), 6.9s, 8/1/22	Baa2
	00 FL Hsg. Fin. Agcy. VRDN (Woodlands), 1.43s, 12/1/17 00 Heritage Harbor South Cmnty. Dev. Distr. Rev. Bonds	A-1+
500,0	(Cap. Impt.), Ser. A, 6 1/2s, 5/1/34	BB-/P
5,000,0	00 Hernando Cnty., Indl. Dev. Rev. Bonds (FL Crushed	
-,,-	Stone Co.), 8 1/2s, 12/1/14	A-/P
1,335,0	00 Miami Beach, Hlth. Fac. Auth. Hosp. Rev. Bonds	
	(Mount Sinai Med. Ctr.), Ser. A, 6.7s, 11/15/19	BB
4,100,0	00 Orange Cnty., Hsg. Fin. Auth. VRDN (Sundown	
01.0	Assoc. II), Ser. A, 1.43s, 6/1/04	A-1+
310,0	00 Pinellas Cnty., Hlth. Fac. Auth. Syst. Rev. Bonds	
2 000 0	(Suncoast Hosp.), Ser. A, 8 1/2s, 3/1/20 00 St. Johns Cnty., Hlth. Care Indl. Dev. Auth. Rev. Bonds	BB+
2,000,0	(Glenmoor St. Johns Project), Ser. A, 8s, 1/1/30	B+/P
Georgia (3.1%)		
10,000,0	00 Atlanta, Waste Wtr. Rev. Bonds, Ser. A, MBIA, 5s, 11/1/39	Aaa
1,750,0	00 Fulton Cnty., Dev. Auth. Fac. Rev. Bonds	
	(Delta Airlines, Inc.), 5 1/2s, 5/1/33	BB
700,0	00 GA Med. Ctr. Hosp. Auth. IFB, MBIA, 11.030s, 8/1/10	Aaa
	Savannah, Hosp. Auth. Rev. Bonds (Chandler Hosp.)	
1,900,0	00 7s, 1/1/23	Bal

Hawaii (1.1%)

3,180,000 7s, 1/1/11

935,000 HI Dept. of Trans. Special Fac. Rev. Bonds (Continental Airlines, Inc.), 7s, 6/1/20

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B+

Ba1

4,500,000 HI State G.O. Bonds, Ser. CY, FSA, 5 1/2s, 2/1/12

Aaa

#### Illinois (3.9%)

	Chicago, G.O. Bonds	
4,850,000	Ser. A, AMBAC, 5 5/8s, 1/1/39	Aaa
3,500,000	Ser. C, FGIC, 5 1/2s, 1/1/40	Aaa
2,500,000	(Neighborhoods Alive 21 Project), FGIC, 5s, 1/1/41	Aaa
2,500,000	Ser. A, MBIA, 5s, 1/1/31	Aaa
2,500,000	Chicago, Midway Arpt. Rev. Bonds, Ser. A, MBIA,	
	5 1/8s, 1/1/35	Aaa
2,500,000	Chicago, O'Hare Intl. Arpt. Special Fac. Rev. Bonds	
	(United Airlines, Inc.), Ser. C, 6.3s, 5/1/16	Ca
3,000,000	Chicago, O'Hare Intl. Arpt. Special Fac. Rev. Bonds	
	(American Airlines, Inc.), 8.2s, 12/1/24	BB-
3,250,000	IL Dev. Fin. Auth. Hosp. Rev. Bonds (Adventist Hlth.	
	Syst./Sunbelt Obligation), 5.65s, 11/15/24	A3

### Indiana (2.3%)

2,500,000 IN State Dev. Fin. Auth. Env. Impt. Rev. Bonds	
(USX Corp.), 5.6s, 12/1/32	Baal
9,300,000 Indianapolis, Arpt. Auth. Special Fac. Rev. Bonds	
(Federal Express Corp.), 7.1s, 1/15/17	Baa2

#### Iowa (1.0%)

	IA Fin.	Auth.	Hlth.	Care	Fac.	Rev.	Bonds	(Care	Initiatives)	
3,000,000	9 1/4s,	7/1/2	5							BBB-/P
1,745,000	9.15s,	7/1/09								BBB-/P

#### Kansas (2.6%)

5,000,000 K	IS State Dev. Fin. Auth. VRDN (Village Shalom	
0	blig. Group), Ser. BB, 1.95s, 11/15/28	A-1+
8,400,000 W	Mitchita, Hosp. IFB, Ser. 111-A, MBIA, 9.351s, 10/20/17	Aaa
	Vitchita, Hosp. IFB, Ser. 111-A, MBIA, 9.351s, 10/20/17	

Kentucky (1.8%)

7,785,000 Kenton Cnty., Arpt. Board Rev. Bonds (Special Fac	
Delta Airlines, Inc.), Ser. A, 7 1/2s, 2/1/20	BB
1,000,000 Scott Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.),	
8 1/2s, 11/1/14	Ba3
2,740,000 Trimble Cnty., Poll. Control Rev. Bonds, Ser. B,	
6.55s, 11/1/20	Al

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Louisiana (3.6%)

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1,500,000 LA Pub. Fac. Auth. Rev. Bonds (Tulane U.), Ser. A, AMBAC, 5s, 7/1/32

Aaa

2,000,000 LA Pub. Fac. Auth. Hosp. Rev. Bonds (Lake Charles	
Memorial Hosp. Project), 8 5/8s, 12/1/30	CCC/P
12,500,000 Lake Charles, Harbor & Term Dist. Port Fac. Rev Bonds	
(Trunkline Co.), 7 3/4s, 8/15/22	A3
2,750,000 W. Feliciana Parish, Poll. Control Rev. Bonds	
(Gulf States Util. Co.), Ser. C, 7s, 11/1/15	Bal

Maine (0.4%)

2,000,000 Rumford Solid Waste Disp. Rev	. Bonds
(Boise Cascade Corp.), 6 7/8s	, 10/1/26 Baa3

Massachusetts (4.8%)

2,000,000 (Civic Investments), Ser. A, 9s, 12/15/15	_ /_
	B/P
3,300,000 (Rehab. Hosp. Cape & Islands), Ser. A, 7 7/8s, 8/15/24	AAA/P
1,185,000 (Norwood Hosp.), Ser. C, 7s, 7/1/14	Ba2
2,500,000 (UMass Memorial), Ser. C, 6 5/8s, 7/1/32	Baa2
3,400,000 (Sisters Providence Hlth. Syst.), Ser. A,	
6 5/8s, 11/15/22	Aaa
1,875,000 (UMass Memorial), Ser. C, 6 1/2s, 7/1/21	Baa2
820,000 (Caritas Christi Oblig), Ser. B, 6 1/4s, 7/1/22	Baa2
7,645,000 MA State Hsg. Fin. Agcy. IFB, AMBAC, 9.452s, 7/1/40	
(acquired 6/3/98, cost \$7,739,951) (RES)	AAA
2,000,000 MA State Hsg. Fin. Agcy. Rev. Bonds (Rental Mtge.),	
Ser. C, AMBAC, 5 5/8s, 7/1/40	Aaa

### Michigan (3.1%)

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4,095,000	Detroit, Local Dev. Fin. Auth. Tax Increment G.O. Bonds, Ser. A, 9 1/2s, 5/1/21	BBB+/P
		DDD+/P
2,000,000	MI Strategic Fund Resource Recvy. Rev. Bonds (Central	
	Wayne Energy Res.), Ser. A, 6.9s, 7/1/19 (In default) (NON)	D/P
2,700,000	Pontiac, Hosp. Fin. Auth. Rev. Bonds (NOMC	
	Obligation Group), Ser. B, 6s, 8/1/18	Baa3
2,975,000	Warren Cons. School Dist. G.O. Bonds, FSA,	
, ,	5 3/8s, 5/1/18	Aaa
6,785,000	Waterford, Econ. Dev. Corp. Rev. Bonds	
	(Canterbury Hlth.), 6s, 1/1/39	B-/P
2,000.000	Wayne Charter Cnty., Special Arpt. Fac. Rev. Bonds	
, ,	(Northwest Airlines, Inc.), 6s, 12/1/29	B+/P
	······································	- , -

Minnesota (1.2%)

1,780,000 Chaska, Indl. Dev. Rev. Bonds (Lifecore Biomedical, Inc.),	
10 1/4s, 9/1/20	BB/P
5,330,000 St. Paul, Hsg. & Hosp. Redev. Auth. Rev. Bonds	
(Healtheast), Ser. B, 6 5/8s, 11/1/17	Ba2

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Mississippi (0.4%)

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2,250,000 Mississippi Bus. Fin. Corp. Poll. Control Rev. Bonds (Syst. Energy Resources, Inc.), 5.9s, 5/1/22

BBB-

Missouri 	(1.2%)		
	2,000,000	MO State Hlth. & Edl. Fac. Auth. Rev. Bonds (St. Anthony's Med. Ctr.), 6 1/4s, 12/1/30	A2
	4,560,000	MO State Hlth. & Edl. Fac. Auth. VRDN (St. Francis Med. Ctr.), Ser. A, 1.95s, 6/1/26	A-1+
Nebraska	(0.5%)		
	2,000,000	Gage Cnty., Indl. Dev. Rev. Bonds (Hoover Group, Inc.), 8 1/2s, 12/1/07	Baa3
	2,500,000	Kearney, Indl. Dev. Rev. Bonds (Great Platte River Road), 6 3/4s, 1/1/28	D/P
	950 <b>,</b> 000	NE Investment Fin. Auth. Single Fam. Mtge. IFB, Ser. C, GNMA/FNMA Coll., 10.20s, 3/1/20	Aaa
Nevada (2			
		Clark Cnty., Indl. Dev. Rev. Bonds (Southwest Gas Corp.) Ser. B, 7 1/2s, 9/1/32	Baa2
		Ser. C, AMBAC, 5.95s, 12/1/38 Las Vegas, Monorail Rev. Bonds (2nd Tier),	Aaa
	1,000,000	7 3/8s, 1/1/40	BB-/P
New Hamps		) NH State Bus. Fin. Auth. Rev. Bonds (Alice Peck Day Hlth. Syst.), Ser. A, 7s, 10/1/29	 BB+/P
New Jerse	ey (2.6%)		
	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
		(Trinitas Hosp. Oblig. Group), 7 1/2s, 7/1/30	Baa3
	1,000,000	(Atlantic City Med. Ctr.), 5 3/4s, 7/1/25 NJ State Tpk. Auth. VRDN, Ser. D, FGIC, 1 3/4s, 1/1/18	A3 VMIG1
	6,500,000	NJ State Trans. Trust Fund Auth. Rev. Bonds (Trans. Syst.), Ser. A, FSA, 5 1/2s, 6/15/12	Aaa
New Mexic	co (0.6%)		
		Farmington, Poll. Control VRDN (AZ Pub. Svc. Co.), Ser. B, 1.95s, 9/1/24	VMIG1
New York			
	10,000,000	NY City G.O. Bonds, Ser. B, 5 1/4s, 12/1/09 NY City, Indl. Dev. Agcy. Special Fac. Rev. Bonds	A2
	1,500.000	(British Airways), 5 1/4s, 12/1/32 NY City, Indl. Dev. Agency Rev. Bonds (Staten Island	BBB-
		U. Hosp. Project), 6.45s, 7/1/32 NY City, Muni. Wtr. Fin. Auth. Wtr. & Swr. IFB, MBIA,	Baa3
	2, 300, 000		

	9.481s, 6/15/17 (acquired 5/21/98, cost \$5,296,700) (RES)	AAA
7,400,00	0 NY City, Muni. Wtr. Fin. Auth. Wtr. & Swr. Rev. Bonds, Ser. G , FSA, 5s, 6/15/34	Aaa
6,000,00	0 NY City, Muni. Wtr. Fin. Auth. Wtr. & Swr. VRDN, Ser. G, 1.85s, 6/15/24	VMIG1
2,000,00	<pre>0 Onondaga Cnty., Indl. Dev. Agcy. Rev. Bonds (Solvay Paperboard, LLC), 7s, 11/1/30</pre>	BB-/P
5,000,00	<pre>0 Port Auth. NY &amp; NJ Rev. Bonds, Ser. 96, FGIC, 6.6s, 10/1/23</pre>	Aaa
5,000,00	0 Port Auth. NY & NJ Special Obligation IFB, Ser. N18, MBIA, 8.64s, 12/1/17 (acquired 7/19/00, cost \$5,234,450) (RES)	Aaa
North Carolina (0.		
100,00	0 Charlotte, Special Fac. Rev. Bonds (Douglas Intl. ArptUS Airways), 7 3/4s, 2/1/28 (In default) (NON) NC Eastern Muni. Pwr. Agcy. Syst. Rev. Bonds	D/P
	0 Ser. D, 6 3/4s, 1/1/26 0 Ser. A, 5 3/4s, 1/1/26	BBB BBB
Ohio (1.3%)		
3,000,00	0 OH State Air Quality Dev. Auth. Rev. Bonds	 Raa2
4,000,00	<pre>(Toledo Poll. Control), Ser. A, 6.1s, 8/1/27 0 Rickenbacker Port Auth. Rev. Bonds (OASBO Expanded Asset Pooled), Ser. A, 5 3/8s, 1/1/32</pre>	Baa2 A2
Oklahoma (2.7%)		
	0 OK City Arpt. Trust Rev. Bonds (Jr. Lien 27th Ser.),	
3,150,00	Ser. A, FSA, 5s, 7/1/18 0 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care),	AAA
3,150,00	<pre>Ser. A, FSA, 5s, 7/1/18 O OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29 O OK State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst</pre>	ААА В2
3,150,00	<pre>Ser. A, FSA, 5s, 7/1/18 0 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29</pre>	
3,150,00	<ul> <li>Ser. A, FSA, 5s, 7/1/18</li> <li>O K Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29</li> <li>O K State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29</li> </ul>	B2 Aaa
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4%	<pre>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 Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 OAllegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21</pre>	B2 Aaa
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4% 3,500,00	<pre>Ser. A, FSA, 5s, 7/1/18 0 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29 0 OK State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 ) 0 Allegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21 (In default) (NON) 0 Carbon Cnty., Indl. Dev. Auth. Rev. Bonds</pre>	B2 Aaa CCC-
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4% 3,500,00 2,250,00	<pre>Ser. A, FSA, 5s, 7/1/18 0 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29 0 OK State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 ) 0 Allegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21 (In default) (NON) 0 Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10 0 Dauphin Cnty., Gen. Auth. Rev. Bonds (Office &amp; Pkg.),</pre>	B2 Aaa CCC- BBB-
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4% 3,500,00 2,250,00 3,500,00	<pre>Ser. A, FSA, 5s, 7/1/18 0 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29 0 OK State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 ) 0 Allegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21 (In default) (NON) 0 Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10 0 Dauphin Cnty., Gen. Auth. Rev. Bonds (Office &amp; Pkg.), Ser. A, 6s, 1/15/25 0 PA Convention Ctr. Auth. Rev. Bonds, MBIA, 6.7s, 9/1/14</pre>	B2 Aaa CCC-
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4% 3,500,00 2,250,00 3,500,00 7,250,00	<pre>Ser. A, FSA, 5s, 7/1/18 0 OK Dev. Fin. Auth. Rev. Bonds (Hillcrest Hlth. Care), Ser. A, 5 5/8s, 8/15/29 0 OK State Indl. Dev. Auth. Rev. Bonds (Hlth. Syst Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 ) 0 Allegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21 (In default) (NON) 0 Carbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10 0 Dauphin Cnty., Gen. Auth. Rev. Bonds (Office &amp; Pkg.), Ser. A, 6s, 1/15/25</pre>	B2 Aaa CCC- BBB- CCC/P
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4% 3,500,00 2,250,00 3,500,00 7,250,00 1,000,00	<pre>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 Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 OAllegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21 (In default) (NON) OCarbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10 ODauphin Cnty., Gen. Auth. Rev. Bonds (Office &amp; Pkg.), Ser. A, 6s, 1/15/25 OPA Convention Ctr. Auth. Rev. Bonds, MBIA, 6.7s, 9/1/14 PA Econ. Dev. Fin. Auth. Rev. Bonds (MacMillan Ltd. Partnership), 7.6s, 12/1/20 (Amtral Project), Ser. A, 6 3/8s, 11/1/41</pre>	B2 Aaa CCC- BBB- CCC/P Aaa
3,150,00 4,900,00 7,000,00 Pennsylvania (5.4% 3,500,00 2,250,00 3,500,00 7,250,00 7,750,00 1,000,00 1,000,00	<pre>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 Oblig. Group), Ser. A, MBIA. 5 3/4s, 8/15/29 OAllegheny Cnty., Indl. Dev. Auth. Arpt. Special Fac. Rev. Bonds (U.S. Airways, Inc.), Ser. B, 8 1/2s, 3/1/21 (In default) (NON) OCarbon Cnty., Indl. Dev. Auth. Rev. Bonds (Panther Creek Partners), 6.65s, 5/1/10 ODauphin Cnty., Gen. Auth. Rev. Bonds (Office &amp; Pkg.), Ser. A, 6s, 1/15/25 OPA Convention Ctr. Auth. Rev. Bonds, MBIA, 6.7s, 9/1/14 PA Econ. Dev. Fin. Auth. Rev. Bonds O(MacMillan Ltd. Partnership), 7.6s, 12/1/20</pre>	B2 Aaa CCC- BBB- CCC/P Aaa Baa2

2,000,000 Philadelphia, Indl. Dev. Auth. Arpt. Rev. Bonds	
(Aero Philadelphia, LLC), 5 1/2s, 1/1/24	BB/P
4,000,000 Philadelphia, Indl. Dev. Auth. Special Fac. Rev. Bonds	
(U.S. Airways, Inc.), 8 1/8s, 5/1/30 (In default) (NON)	D/P
1,800,000 Sayre Hlth. Care Fac. Auth. Rev. Bonds (Guthrie Hlth.),	
Ser. A, 5 7/8s, 12/1/31	A-

South Carolina (2.6%)

	4,750,000	Connector 2000 Assn., Inc. SC Toll Road Rev. Bonds	
		(SR-Southern Connector), Ser. A, 5 3/8s, 1/1/38	BBB-
	1,250,000	Med. U. Hosp. Auth. Rev. Bonds, Ser. A, 6 1/2s, 8/15/32	BBB+
	5,000,000	Richland Cnty. Rev. Bonds (Intl. Paper Co. Project),	
		Ser. A, 4 1/4s, 10/1/07	Baa2
	1,000,000	SC Jobs Econ. Dev. Auth. Hosp. Fac. Rev. Bonds	
		(Palmetto Hlth. Alliance), Ser. A, 7 3/8s, 12/15/21	Baa2
		SC Tobacco Settlement Rev. Mgt. Rev. Bonds,	
		Ser. B	
	1,300,000	6 3/8s, 5/15/30	A1
		6 3/8s, 5/15/28	A1
	•		
South Dako	ota (0.4%)		
	2,000,000	SD Edl. Enhancement Funding Corp. Rev. Bonds, Ser. B,	
	, .	6 1/2s, 6/1/32	A1
Tennessee	(2.7%)		
	6,000,000	Johnson City, Hlth. & Edl. Fac. Board Hosp. IFB,	İ
	•	Ser. A2, MBIA, 8.2s, 7/1/21 (acquired 2/8/00,	I
		cost \$5,651,400) (RES)	Aaa
	4.700.000	Johnson City, Hlth. & Edl. Fac. Board Hosp. Rev. Bonds	
	1, 100,000	(Mtn. States Hlth.), Ser. A, 7 1/2s, 7/1/33	Baa2
	2 000 000	Shelby Cnty. Hlth. Edl. & Hsg. Fac. Board Rev. Bonds	Duuz
	2,000,000	Sherby chty. hith. Edi. & hsg. Fac. Board Nev. Bonds	

Texas (11.8%)

	Alliance, Arpt. Auth. Rev. Bonds	
3,000,000	(American Airlines, Inc.), 7 1/2s, 12/1/29	BB-
10,100,000	(Federal Express Corp.), 6 3/8s, 4/1/21	Baa2
9,500,000	Austin, Elec. Util. Syst. Rev. Bonds, FSA, 5s, 1/15/30	Aaa
4,655,000	Carrollton, Farmers Branch Indpt. School Dist. G.O.	
	Bonds, PSFG, 5s, 2/15/17	Aaa
3,500,000	Dallas, Special Tax Rev. Bonds, AMBAC, 5s, 8/15/25	Aaa
	Dallas-Fort Worth, Intl. Arpt. Fac. Impt. Corp.	
	Rev. Bonds (American Airlines, Inc.)	
3,000,000	7 1/4s, 11/1/30	BB-
8,000,000	6 3/8s, 5/1/35	BB-
3,000,000	Harris Cnty., Hlth. Fac. Rev. Bonds (Memorial	
	Hermann Hlth. Care), Ser. A, 6 3/8s, 6/1/29	A3
4,000,000	Houston, Arpt. Syst. Rev. Bonds, Ser. C, FGIC, 5s, 7/1/28	Aaa
2,000,000	Lower Neches Valley Indl. Dev. Swr. Auth. Rev. Bonds	
	(Mobil Oil Refining Corp.), 6.4s, 3/1/30	Aaa
	North Central Hlth. Fac. Dev. Corp. VRDN	
3,000,000	(Dates Hosp. Prsbytrn Med. Ctr.), Ser. C, MBIA,	

(Methodist Healthcare), 6 1/2s, 9/1/26

Baal

	2,500,000 8,500,000	<pre>2.04s, 12/1/15 (Dates Hosp. Prsbytrn Med. Ctr.), Ser. D, MBIA, 2.04s, 12/1/15 Sam Rayburn Muni. Pwr. Agcy. Rev. Bonds, 6s, 10/1/21 Texas State Tpk. Auth. Rev. Bonds, Ser. A, AMBAC, 5s, 8/15/42 Tomball, Hosp. Auth. Rev. Bonds (Tomball Regl. Hosp.), 6s, 7/1/29</pre>	VMIG1 VMIG1 Baa2 Aaa Baa2
Utah (0.99			
		Tooele Cnty., Harbor & Term. Dist. Port Fac. Rev Bonds (Union Pacific), Ser. A, 5.7s, 11/1/26	BBB
Virginia	(0.8%)		
		Fredericksburg Indl. Dev. Auth. Rev. Bonds (Medicorp Hlth. Syst.), Ser. B, 5 1/8s, 6/15/33 Pocahontas Parkway Assn. Toll Rd. Rev. Bonds, Ser. A, 5 1/2s, 8/15/28	A3 Baa3
Washingtor	n (1.4%)		
		King Cnty., G.O. Bonds, Ser. C, 6 1/4s, 1/1/32 Port of Seattle, Special Fac. Rev. Bonds (Northwest Airlines, Inc.), 7 1/4s, 4/1/30	Aal B+/P
West Virg	inia (0.3%)	)	
West Virg: 		) Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29	Ba3
West Virgi 	2,500,000	Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.),	Ba3
	2,500,000 (1.7%) 5,500,000	Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.),	Ba3 A1 A2
	2,500,000 (1.7%) 5,500,000	Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29 Badger Tobacco Asset Securitization Corp. Rev. Bonds, 6 3/8s, 6/1/32 WI State Hlth. & Edl. Fac. Auth. Rev. Bonds	A1
Wisconsin	2,500,000 (1.7%) 5,500,000 3,900,000 STOCKS (1 SHARES	<pre>Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29 Badger Tobacco Asset Securitization Corp. Rev. Bonds, 6 3/8s, 6/1/32 WI State Hlth. &amp; Edl. Fac. Auth. Rev. Bonds (Wheaton Franciscan), 5 3/4s, 8/15/30 Total Municipal Bonds and Notes (cost \$570,426,549) .2%) (a)</pre>	A1 A2
Wisconsin	2,500,000 (1.7%) 5,500,000 3,900,000 STOCKS (1 SHARES	<pre>Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29 Badger Tobacco Asset Securitization Corp. Rev. Bonds, 6 3/8s, 6/1/32 WI State H1th. &amp; Edl. Fac. Auth. Rev. Bonds (Wheaton Franciscan), 5 3/4s, 8/15/30 Total Municipal Bonds and Notes (cost \$570,426,549) .2%) (a) Charter Mac. Equity Trust 144A Ser. A,</pre>	A1 A2
Wisconsin	2,500,000 (1.7%) 5,500,000 3,900,000 STOCKS (1 SHARES 2,000,000	<pre>Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29 Badger Tobacco Asset Securitization Corp. Rev. Bonds, 6 3/8s, 6/1/32 WI State Hlth. &amp; Edl. Fac. Auth. Rev. Bonds (Wheaton Franciscan), 5 3/4s, 8/15/30 Total Municipal Bonds and Notes (cost \$570,426,549) .2%) (a)</pre>	A1 A2
Wisconsin	2,500,000 (1.7%) 5,500,000 3,900,000 STOCKS (1 SHARES 2,000,000	<pre>Princeton, Hosp. Rev. Bonds (Cmnty. Hosp. Assn., Inc.), 6.1s, 5/1/29 Badger Tobacco Asset Securitization Corp. Rev. Bonds, 6 3/8s, 6/1/32 WI State Hlth. &amp; Edl. Fac. Auth. Rev. Bonds (Wheaton Franciscan), 5 3/4s, 8/15/30 Total Municipal Bonds and Notes (cost \$570,426,549) .2%) (a) Charter Mac. Equity Trust 144A Ser. A, 6.625% cum. pfd. MuniMae Tax Exempt Bond Subsidiary, LLC 144A</pre>	A1 A2 BBB-/P BB+/P

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- (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 October 31, 2002 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 October 31, 2002. Securities rated by Putnam are indicated by "/P" and are not publicly rated. Ratings are not covered by the Report of independent accountants.
- (NON) Non-income-producing security.
- (RES) Restricted, excluding 144A securities, as to public resale. The total market value of restricted securities held at October 31, 2002 was \$31,849,006 or 5.9% of portfolio market value.

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's are the current interest rates at October 31, 2002.

The fund had the following industry group concentrations greater than 10% at October 31, 2002 (as a percentage of portfolio market value):

Health care	28.9%
Transportation	25.0

The fund had the following insurance concentrations greater than 10% at October 31, 2002 (as a percentage of portfolio market value):

MBIA	14.1%
AMBAC	10.5

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

STATEMENT OF ASSETS AND LIABILITIES October 31, 2002

Assets

Investments in securities, at value (identified cost \$576,426,549) (Note 1)	\$536,599,213
Cash	961,912
Interest and other receivables	10,788,342

Receivable for securities sold	380,081
Total assets	548,729,548
Liabilities	
Distributions payable to shareholders	2,242,222
Accrued preferred shares distributions payable (Note 1)	77,739
Payable for compensation of Manager (Note 2)	988,176
Payable for investor servicing and custodian fees (Note 2)	35,260
Payable for compensation of Trustees (Note 2)	43,471
Payable for administrative services (Note 2)	285
Other accrued expenses	61,604
Total liabilities	3,448,757
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	\$370,280,791
Represented by	
Paid-in capital common shares (unlimited shares authorized) (Note 1)	\$435,026,079
Undistributed net investment income (Note 1)	726,898
Accumulated net realized loss on investments (Note 1)	(25,644,850)
Net unrealized depreciation of investments	(39,827,336)
Total Representing net assets applicable to common shares outstanding	\$370,280,791
Computation of net asset value	
Net asset value per common share (\$370,280,791 divided by 47,206,343 shares)	\$7.84

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

STATEMENT OF OPERATIONS Year ended October 31, 2002

Interest income:

\$37,746,272 \_\_\_\_\_

Compensation of Manager (Note 2)	3,868,918
Investor servicing and custodian fees (Note 2)	346,147
Compensation of Trustees (Note 2)	9,041
Administrative services (Note 2)	7,810
Preferred share remarketing agent fees	431,566
Other	185,776
Total expenses	4,849,258
Expense reduction (Note 2)	(40,576)
Net expenses	4,808,682
Net investment income	32,937,590
Net realized loss on investments (Notes 1 and 3)	(3,503,622)
Net realized gain on futures contracts (Note 1)	94,025
Net unrealized depreciation of investments during the year	(30,443,946)
Net loss on investments	(33,853,543)
Net decrease in net assets resulting from operations	(915,953)
Distributions to Series A, B, and C remarketed preferred shareholders: (Note 1	 L)
From tax exempt income	(2,589,647)
Net decrease in net assets resulting from operations applicable to common shareholders	\$(3,505,600)

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

### STATEMENT OF CHANGES IN NET ASSETS

	Year ended October 31		
	2002		
Increase (decrease) in net assets			
Operations:			
Net investment income	\$32,937,590	\$34,0	
Net realized loss on investments	(3,409,597)	(1,3	

Net unrealized appreciation (depreciation) of investments	(30,443,946)	3,0
Net increase (decrease) in net assets resulting from operations	(915,953)	35,8
Distributions to Series A, B, and C remarketed preferred shareholders: (Note 1)		
From tax exempt income	(2,589,647)	(5,8
Net increase (decrease) in net assets resulting from operations applicable to common shareholders	(3,505,600)	30,0
Distributions to common shareholders: (Note 1)		
From tax exempt income	(26,888,250)	(27,5
Increase from issuance of common shares in connection with reinvestment of distributions	419,191	1,6
Total increase (decrease) in net assets	(29,974,659)	4,0
Net assets		
Beginning of year	400,255,450	396 <b>,</b> 2
End of year (including undistributed net investment income of \$726,898 and distributions in excess of net investment income of \$2,732,795, respectively)	\$370,280,791	\$400,2
Number of fund shares		
Common shares outstanding at beginning of year	47,155,237	46,9
Shares issued in connection with reinvestment of distributions	51,106	1
Common shares outstanding at end of year	47,206,343	47,1
Remarketed preferred shares outstanding at beginning and end of year	1,750	

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

FINANCIAL HIGHLIGHTS (For a common share outstanding thr	coughout the pe	eriod)			
Per-share operating performance		Year	ended October	c 31	
	2002	2001	2000	1999	1998

Net asset value, beginning of period

(common shares)	\$8.49	\$8.44	\$8.77	\$9.82	\$9.92
Investment operations:					
Net investment income (a)	.70	.72	.75		.79
Net realized and unrealized gain (loss) on investments	(.73)	.04			.01
Total from investment operations	(.03)		.59		
Distributions to preferred shareho					
From net investment income	(.05)	(.12)	(.16)	(.13)	(.14)
Total from investment operations: (applicable to common shareholders)	(.08)	. 64	.43	(.29)	.66
Distributions to common shareholders:					
From net investment income:	(.57)	(.59)	(.76)	(.76)	(.76)
Total distributions		(.59)	(.76)	(.76)	(.76)
Net asset value, end of period (common shares)	\$7.84	\$8.49	\$8.44	\$8.77	\$9.82
Market value, end of period (common shares)	\$7.43	\$8.44	\$9.63	\$9.81	\$11.44
Total return at market value (%) (common shares)(b)	(5.57)	(6.21)	6.84	(7.72)	4.52
Ratios and supplemental data					
Net assets, end of period (common shares)(in thousands)	\$370,281	\$400,255	\$396,212	\$408,419	\$453 <b>,</b> 766
Ratio of expenses to average net assets (%)(c)(d)		1.22		1.23	1.22
Ratio of net investment income to average net assets (%)(c)	7.84	7.01	6.97	7.12	
Portfolio turnover (%)	20.44	17.95		12.88	

- (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 October 31, 2002

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 stated on the basis of valuations provided by an independent pricing service, approved by the Trustees, which uses 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 stated 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 accounted for 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, the remaining excess 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 agrees to receive from or pay to the broker 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.

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

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 remarketed 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 October 31, 2002 was 1.44% for Series A, 1.65% for Series B and 1.68% 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. These differences include temporary and permanent differences of the expiration of a capital loss carryover, dividends payable, defaulted bond interest, straddle loss deferrals, and Partnership income. Prior year distributions in the Statement of changes in net assets have been reclassified to conform with current year presentation. 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. For the year ended October 31, 2002, the fund reclassified \$1,886,508 to decrease paid-in-capital, with a decrease to accumulated net realized losses of \$1,886,508.

The tax basis components of distributable earnings and the federal tax cost as of period end was as follows:

Unrealized appreciation Unrealized depreciation	\$21,199,614 (60,822,225)
Net unrealized appreciation/	
depreciation	(39,622,611)
Undistributed tax-exempt income	3,734,222
Capital loss carryforward	(24,642,055)
Post October loss	
Cost for federal income	
tax purposes	576,221,824

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.

Note 2 Management fee, administrative services and other transactions

Compensation of Putnam Management, for management and investment advisory services is paid 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 0.70% 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 year ended October 31, 2002, the fund's expenses were reduced by \$40,576 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 year ended October 31, 2002, cost of purchases and proceeds from sales of investment securities other than short-term investments aggregated \$110,276,363 and \$135,195,068, 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 October 31, 2002, no such restrictions have been placed on the fund.

Under Emerging Issues Task Force (EITF) promulgation Topic D-98, Classification and Measurement of Redeemable Securities, which was issued on July 19, 2001, preferred securities that are redeemable for cash or other assets are to be classified outside of permanent equity to the extent that the redemption is at a fixed or determinable price and at the option of the holder or upon the occurrence of an event that is not solely within the control of the issuer. Subject to the guidance of the EITF, the Trust's preferred stock, which was previously classified as a component of net assets, has been reclassified outside of permanent equity (net assets) in the accompanying financial statements. Prior year amounts have also been reclassified to conform with this presentation. The impact of this reclassification creates no change to the net assets available to common shareholders.

Note 5 New accounting pronouncement

As required, the fund has adopted the provisions of the AICPA Audit and Accounting Guide, Audits of Investment Companies. This Guide requires that the fund amortize premium and accrete discount on all fixed-income

securities, and classify as interest income gains and losses realized on paydowns on mortgage-backed securities. Prior to November 1, 2001, the fund did not accrete discounts for certain fixed income securities. The adoption of this principle was not material to the financial statements.

FEDERAL TAX INFORMATION (Unaudited)

The fund has designated 100% of dividends paid from net investment income during the fiscal year as tax exempt for Federal income tax purposes.

The Form 1099 you receive in January 2003 will show the tax status of all distributions paid to your account in calendar 2002.

RESULTS OF OCTOBER 3, 2002 SHAREHOLDER MEETING (Unaudited)

An annual meeting of shareholders of the fund was held on October 3, 2002. At the meeting, each of the nominees for Trustees was elected, as follows:

		Common Shares	
			Votes
	Votes	for	withheld
Jameson Adkins Baxter	40,680	,595	999,464
Charles B. Curtis	40,685	,765	994,293
Ronald J. Jackson	40,691	,176	988,882
Paul L. Joskow	40,694	,376	985 <b>,</b> 682
Elizabeth T. Kennan	40,691	,716	988,342
Lawrence J. Lasser	40,697	,993	982,066
John H. Mullin III	40,692	,230	987 <b>,</b> 829
George Putnam, III	40,684	,549	995 <b>,</b> 510
A.J.C. Smith	40,696	,618	983,441
W. Thomas Stephens	40,686	,101	993 <b>,</b> 958
W. Nicholas Thorndike	40,694	,129	985 <b>,</b> 930

	Preferred Shares	
		Votes
	Votes for	withheld
Jameson Adkins Baxter	1,750	0
Charles B. Curtis	1,750	0
John A. Hill	1,750	0
Ronald J. Jackson	1,750	0
Paul L. Joskow	1,750	0
Elizabeth T. Kennan	1,750	0
Lawrence J. Lasser	1,750	0
John H. Mullin III	1,750	0
Robert E. Patterson	1,750	0
George Putnam, III	1,750	0
A.J.C. Smith	1,750	0
W. Thomas Stephens	1,750	0
W. Nicholas Thorndike	1,750	0

All tabulations are rounded to nearest whole number.

### TRUSTEES

Name, Address, 1 Date of Birth, Position(s) Held with Fund and Length of Service as a Putnam Fund Trustee 2	Principal Occupation(s) During Past 5 Years	Other Directorships Held by Trus
Jameson A. Baxter (9/6/43), Trustee since 1994	President, Baxter Associates, Inc. (a management consulting and private investments firm)	Director of ASHTA Chemicals, Inc Banta Corporation (a printing an digital imaging firm), Intermati Corporation (manufacturer of ene control products), Ryerson Tull, (a steel service corporation), Advocate Health Care, and the National Center for Nonprofit Boards. Chairman Emeritus of the Board of Trustees, Mount Holyoke College. Also held vario positions in investment banking corporate finance, including Vic President and principal of the Regency Group and consultant to First Boston Corp.
Charles B. Curtis (4/27/40), Trustee since 2001	President and Chief Operating Officer, Nuclear Threat Initiative (a private foundation dedicated to reducing the threat of weapons of mass destruction), also serves as Senior Advisor to the United Nations Foundation	Member of the Council on Foreign Relations, the Electric Power Research Institute Advisory Coun the Board of Directors of the Ga Technology Institute, the Univer of Chicago Board of Governors fo Argonne National Laboratory, the Board of Directors of the Environment and Natural Resource Program Steering Committee, John F. Kennedy School of Government, Harvard University. Prior to 2002, Mr. Curtis was a member of the Board of Directors the Gas Technology Institute. Un 2001, Mr. Curtis was a Member of the Department of Defense's Poli Board and Director of EG&G Technical Services, Inc. (fossil research and development support and prior to May 1997, Mr. Curti was Deputy Secretary of Energy.
John A. Hill (1/31/42), Trustee since 1985 and Chairman since 2000	Vice-Chairman and Managing Director, First Reserve Corporation (a registered investment advisor investing in companies in the world-wide energy industry on behalf of institutional investors)	Director of Devon Energy Corporation (formerly known as Snyder Oil Corporation), TransMontaigne Oil Company, Continuum Health Partners of New York, Sarah Lawrence College and various private companies ow by First Reserve Corporation. Trustee of TH Lee, Putnam Investment Trust (a closed-end investment company). Prior to acquiring First Reserve in 1983, Mr. Hill held executive position

Ronald J. Jackson (12/17/43), Trustee since 1996

Private investor

Paul L. Joskow (6/30/47), Trustee since 1997

Elizabeth and James Killian Professor of Economics and

Elizabeth T. Kennan (2/25/38), Trustee since 1992

Chairman, Cambus-Kenneth Bloodstock (a Holyoke College

with several advisory firms and various positions with the feder government, including Associate Director of the Office of Manage ment and Budget and Deputy Director of the Federal Energy Administration.

Former Chairman, President, and Chief Executive Officer of Fishe Price, Inc. (a toy manufacturer) Previously served as President a Chief Executive Officer of Strid Rite, Inc. and Kenner Parker Toy Also held financial and marketin positions with General Mills, Pa Brothers, and Talbots. President the Kathleen and Ronald J. Jacks Foundation (charitable trust). Member of the Board of Overseers WGBH (public television and radi Member of the Board of Overseers the Peabody Essex Museum.

Director, National Grid Group Killian Professor of<br/>Economics and(a UK-based holding company<br/>with interests in electric power<br/>natural gas distribution, and<br/>telecommunications networks), and<br/>the Whitehead Institute for<br/>Biomedical Research (a non-profi<br/>research institution). President<br/>Yale University Council. Prior t<br/>Eebruary 2002 March 2000 and (a UK-based holding company February 2002, March 2000, and September 1998, Dr. Joskow was a Director of State Farm Indemnity Company (an automobile insurance company), Director of New Englan Electric System (a public utilit holding company) and a consultant to National Economic Research Associates, respectively.

Director, Northeast Utilities, a Talbots (a distributor of women' Nemmetri Broodstock (aTalbots (a distributor of women'limited liability company<br/>involved in thoroughbredapparel). Trustee of Centre Collhorse breeding and<br/>farming), Presidentmember of the Oversight Committee<br/>of Folger Shakespeare Library.Emeritus of MountPrior to September 2000, June 20Holvoke Collegeand Nevember 1000, Dr. Kennal and November 1999, Dr. Kennan was a Director of Chastain Real Estate, Bell Atlantic, and Kentu Home Life Insurance, respectivel Prior to 1995, Dr. Kennan was a Trustee of Notre Dame University For 12 years, she was on the fac of Catholic University.

John H. Mullin, IIIChairman and CEODirector Alex. Brown Realty, Inc.(6/15/41),of Ridgeway FarmSonoco Products, Inc. (a packagiTrustee since 1997(a limited liabilitycompany), The Liberty Corporation

company engaged in timber and farming)

Robert E. Patterson (3/15/45), Trustee since 1984

Senior Partner of Cabot Properties, LLP and Chairman of Cabot Properties, Inc.

W. Thomas Stephens (9/2/42), Trustee since 1997

Corporate Director

W. Nicholas Thorndike (3/28/33), Trustee since 1992

organizations, including Courier Corporation (a book manufacturer) and Providence Journal Co. (a newspaper publisher)

(a company engaged in the broadcasting industry), and Prog Energy, Inc. (a utility company, formerly known as Carolina Power & Light). Trustee Emeritus of Washington & Lee University. Pri to October 1997, January 1998, a May 2001, Mr. Mullin was a Direc of Dillon, Read and Co. Inc., The Ryland Group, Inc., and Graphic Packaging International Corp., respectively.

Chairman of the Joslin Diabetes Center, Trustee of SEA Education Association, and Director of Brandywine Trust Company (a trus company). Prior to February 1998 Mr. Patterson was Executive Vice President and Director of Acquisitions of Cabot Partners Limited Partnership. Prior to December 2001, Mr. Patterson was President and Trustee of Cabot Industrial Trust (publicly trade estate investment trust). Prior 1990, Mr. Patterson was Executiv Vice President of Cabot, Cabot & Forbes Realty Advisors, the predecessor of Cabot Partners, a prior to that was Senior Vice President of the Beal Companies.

Director of Qwest Communications (communications company), Xcel Energy Incorporated (public util company), TransCanada Pipelines, Norske Canada, Inc. (paper manufacturer) and Mail-Well (printing and envelope company). Prior to July 2001 and October 1 Mr. Stephens was Chairman of Mai Well and MacMillan-Bloedel (fore products company). Prior to 1996 Mr. Stephens was Chairman and Chief Executive Officer of Johns Manville.

Director of various corporations and General Hospital. Prior to September 2000, April 2000, and December 2001, Mr. Thorndike was a Director of Bradley Real Estat Inc., a Trustee of Eastern Utili Associates, and a Trustee of Cab Industrial Trust, respectively. Previously served as Chairman of Board and managing partner of Wellington Management/Thorndike Doran Paine & Lewis, and Chairma and Director of Ivest Fund.

Lawrence J. Lasser\* (11/1/42), Trustee since 1992 Vice President since 1981

President and Chief and Putnam Management

A.J.C. Smith\* (4/13/34), Trustee since 1986

(a registered investment adviser)

Director of Marsh & McLennan Companies, Inc.

Director of Marsh & McLennan Executive Officer of Companies, Inc. and the United W Putnam Investments of Massachusetts Bay. Member of Deard Dutnam Board of Governors of the Invest Company Institute, Trustee of th Museum of Fine Arts, Boston, a Trustee and Member of the Financ and Executive Committees of Beth Israel Deaconess Medical Center, Boston, and a Member of the CareGroup Board of Managers Investment Committee, the Counci on Foreign Relations, and the Commercial Club of Boston.

George Putnam, III\* President, New Director of The Boston Family (8/10/51), Generation Research, Office, L.L.C. (registered invess advisor), Trustee of the SEA Inc. (a publisher of advisor), Trustee of the SEA Fresident since 2000 financial advisory and other research services relating to bankrupt and distressed companies) and New Generation attorney with the firm of Decher Advisers, Inc.

Director of Trident Corp. (a lim partnership with over 30 institu investors). Trustee of the Carne Hall Society, the Educational Broadcasting Corporation and the National Museums of Scotland. Chairman of the Central Park Conservancy. Member of the Board of Overseers of the Joan and Sanford I. Weill Graduate School of Medical Sciences of Cornell University. Fellow of the Facult Actuaries in Edinburgh, the Canadian Institute of Actuaries, the Conference of Actuaries. Associate of the Society of Actu Member of the American Actuaries the International Actuarial Association and the Internationa Association of Consulting Actuar Prior to May 2000 and November 1999, Mr. Smith was Chairman and CEO, respectively, of Marsh & McLennan Companies, Inc. \_\_\_\_\_

1 The address of each Trustee is One Post Office Square, Boston, MA 02109. As of October 31, 2002 were 101 Putnam Funds.

2 Each Trustee serves for an indefinite term, until his or her resignation, death, or removal.

<sup>\*</sup> Trustees who are or may be deemed to be "interested persons" (as defined in the Investment Comp of 1940) of the fund, Putnam Management, Putnam Retail Management or Marsh & McLennan Companies the parent company of Putnam LLC and its affiliated companies. Messrs. Putnam, III, Lasser and are deemed "interested persons" by virtue of their positions as officers or shareholders of th

or Putnam Management, Putnam Retail Management or Marsh & McLennan Companies, Inc. George Putna is the President of your fund and each of the other Putnam funds. Lawrence J. Lasser is the Pre and Chief Executive Officer of Putnam Investments and Putnam Management. Mr. Lasser and Mr. Smi serve as Directors of Marsh & McLennan Companies, Inc.

### OFFICERS

In addition to George Putnam III and Lawrence J. Lasser, the other officers of the fund are shown below:

Name, Address, 1 Date of Birth, Position(s) Held with Fund	Length of Service with the Putnam Funds	Principal Occupation(s) During P
Charles E. Porter (7/26/38), Executive Vice President, Treasurer and Principal Financial Officer	Since 1989	Managing Director, Putnam Invest and Putnam Management
Patricia C. Flaherty (12/1/46), Senior Vice President	Since 1993	Senior Vice President, Putnam In and Putnam Management
Karnig H. Durgarian (1/13/56), Vice President and Principal Executive Officer	Since 2002	Senior Managing Director, Putnam Investments
Michael T. Healy (1/24/58), Assistant Treasurer and Principal Accounting Officer	Since 2000	Managing Director, Putnam Invest
Steven D. Krichmar (6/27/58), Vice President and Principal Financial Officer	Since 2002	Managing Director, Putnam Invest Prior to 2001, Partner, PricewaterhouseCoopers LLP
Charles E. Haldeman Jr. (10/29/48), Vice President	Since 2002	Senior Managing Director, Putnam Investments and Putnam Managemen Prior to 2002, Chief Executive C Delaware Management Holdings, In to 2000, President and Chief Ope Officer, United Asset Management
Stephen M. Oristaglio (8/21/55), Vice President	Since 1998	Senior Managing Director, Putnam Investments and Putnam Managemen Prior to 1998, Managing Director Bank Corp.
Gordon H. Silver (7/3/47), Vice President	Since 1990	Senior Managing Director, Putnam Investments, Putnam Management a Putnam Retail Management
Brett C. Browchuk (2/27/63), Vice President	Since 1994	Managing Director, Putnam Invest and Putnam Management

Richard G. Leibovitch (10/31/63), Vice President	Since 1999	Managing Director, Putnam Invest and Putnam Management. Prior to Managing Director, J.P. Morgan
Richard A. Monaghan (8/25/54), Vice President	Since 1998	Senior Managing Director, Putnam Investments and Putnam Retail Management
Beth S. Mazor (4/6/58), Vice President	Since 2002	Senior Vice President, Putnam In
John R. Verani (6/11/39), Vice President	Since 1988	Senior Vice President, Putnam In and Putnam Management
Judith Cohen (6/7/45), Clerk and Assistant Treasurer	Since 1993	Clerk and Assistant Treasurer, T Putnam Funds
Jerome J. Jacobs (8/20/58), Vice President	Since 1996	Managing Director of Putnam Mana
1 The address of each Officer i	is One Post Office Square.	Boston, MA 02109

1 The address of each Officer is One Post Office Square, Boston, MA 02109.

#### 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

INDEPENDENT ACCOUNTANTS

KPMG LLP

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