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MUNIYIELD QUALITY FUND INC
Form N-CSRS
June 28, 2004

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-CSRS

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-6660

Name of Fund: MuniYield Quality Fund, Inc.

Fund Address: P.O. Box 9011
Princeton, NJ 08543-9011

Name and address of agent for service: Terry K. Glenn, President, MuniYield
Quality Fund, Inc., 800 Scudders Mill Road, Plainsboro, NJ, 08536. Mailing
address: P.O. Box 9011, Princeton, NJ, 08543-9011

Registrant's telephone number, including area code: (609) 282-2800

Date of fiscal year end: 10/31/04

Date of reporting period: 11/01/03 - 04/30/04

Item 1 - Report to Stockholders

[LOGO] Merrill Lynch Investment Managers

www.mlim.ml.com

MuniYield Quality
Fund, Inc.

Semi-Annual Report
April 30, 2004

[LOGO] Merrill Lynch Investment Managers

MuniYield Quality Fund, Inc.

The Benefits and Risks of Leveraging

MuniYield Quality Fund, Inc. utilizes leveraging to seek to enhance the yield and net asset value of its Common Stock. However, these objectives cannot be achieved in all interest rate environments. To leverage, the Fund issues Preferred Stock, which pays dividends at prevailing short-term interest rates, and invests the proceeds in long-term municipal bonds. The interest earned on these investments, net of dividends to Preferred Stock, is paid to Common Stock shareholders in the form of dividends, and the value of these portfolio holdings is reflected in the per share net asset value of the Fund's Common Stock. However, in order to benefit Common Stock shareholders, the yield curve must be positively sloped; that is, short-term interest rates must be lower than long-term interest rates. At the same time, a period of generally declining interest rates will benefit Common Stock shareholders. If either of these conditions change, then the risks of leveraging will begin to outweigh the

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benefits.

To illustrate these concepts, assume a fund's Common Stock capitalization of \$100 million and the issuance of Preferred Stock for an additional \$50 million, creating a total value of \$150 million available for investment in long-term municipal bonds. If prevailing short-term interest rates are approximately 3% and long-term interest rates are approximately 6%, the yield curve has a strongly positive slope. The fund pays dividends on the \$50 million of Preferred Stock based on the lower short-term interest rates. At the same time, the fund's total portfolio of \$150 million earns the income based on long-term interest rates. Of course, increases in short-term interest rates would reduce (and even eliminate) the dividends on the Common Stock.

In this case, the dividends paid to Preferred Stock shareholders are significantly lower than the income earned on the fund's long-term investments, and therefore the Common Stock shareholders are the beneficiaries of the incremental yield. However, if short-term interest rates rise, narrowing the differential between short-term and long-term interest rates, the incremental yield pickup on the Common Stock will be reduced or eliminated completely. At the same time, the market value of the fund's Common Stock (that is, its price as listed on the New York Stock Exchange) may, as a result, decline. Furthermore, if long-term interest rates rise, the Common Stock's net asset value will reflect the full decline in the price of the portfolio's investments, since the value of the fund's Preferred Stock does not fluctuate. In addition to the decline in net asset value, the market value of the fund's Common Stock may also decline.

As a part of its investment strategy, the Fund may invest in certain securities whose potential income return is inversely related to changes in a floating interest rate ("inverse floaters"). In general, income on inverse floaters will decrease when short-term interest rates increase and increase when short-term interest rates decrease. Investments in inverse floaters may be characterized as derivative securities and may subject the Fund to the risks of reduced or eliminated interest payments and losses of invested principal. In addition, inverse floaters have the effect of providing investment leverage and, as a result, the market value of such securities will generally be more volatile than that of fixed-rate, tax-exempt securities. To the extent the Fund invests in inverse floaters, the market value of the Fund's portfolio and the net asset value of the Fund's shares may also be more volatile than if the Fund did not invest in these securities. As of April 30, 2004, the percentage of the Fund's total net assets invested in inverse floaters was 11.51%.

Swap Agreements

The Fund may also invest in swap agreements, which are over-the-counter contracts in which one party agrees to make periodic payments based on the change in market value of a specified bond, basket of bonds, or index in return for periodic payments based on a fixed or variable interest rate or the change in market value of a different bond, basket of bonds or index. Swap agreements may be used to obtain exposure to a bond or market without owning or taking physical custody of securities.

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MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

A Letter From the President

Dear Shareholder

For the six-month and 12-month periods ended April 30, 2004, the Lehman Brothers Municipal Bond Index posted returns of +1.19% and +2.68%, respectively. Its

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taxable counterpart, the Lehman Brothers Aggregate Bond Index, had returns of +1.25% and +1.82% for the same periods. Amid considerable month-to-month volatility, tax-exempt bond yields rose over the past year, although not to the same extent as 10-year U.S. Treasury yields. In all, tax-exempt securities continued to be an attractive fixed income investment alternative.

As of April month-end, the Federal Reserve Board maintained its accommodative policy stance, although a better-than-expected employment report for the month of March prompted speculation that an interest rate increase could come sooner than many had expected. On April 2, 2004, the good news on the employment front -- previously the one dim spot in an otherwise bright economic picture -- helped prompt the yield on the 10-year Treasury bond to spike nearly 25 basis points (.25%) from 3.91% to 4.15%. Market watchers continue to monitor the economic data and Federal Reserve Board language for indications of interest rate direction. If economic growth maintains its recent pace and employment figures continue to improve, many believe it is just a matter of time before interest rates move upward.

Equity markets, in the meantime, gleaned support from the improving economic environment and provided attractive returns. For the six-month and 12-month periods ended April 30, 2004, the Standard & Poor's 500 Index returned +6.27% and +22.88%, respectively. Significant fiscal and monetary stimulus in 2003, including low interest rates and tax cuts, has opened the door to consumer spending, capital spending, increases in exports and long-awaited job growth. As expected, these developments have led the way to improvements in corporate earnings -- a positive for stock markets.

The events and efforts of the past year leave us with a much stronger economy today. Of course, markets will always fluctuate, and there are many uncertainties -- not the least of which are geopolitical in nature -- which can translate into negative market movements. Keeping this in mind, we encourage you to revisit your portfolio and your asset allocation strategy to ensure you are well positioned to take advantage of the opportunities that lie ahead. Importantly, your financial advisor can help you develop a strategy most suitable for your circumstances through all types of market and economic cycles.

We thank you for trusting Merrill Lynch Investment Managers with your investment assets, and we look forward to serving you in the months and years ahead.

Sincerely,

/s/ Terry K. Glenn

Terry K. Glenn
President and Director

MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

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[LOGO] Merrill Lynch Investment Managers

A Discussion With Your Fund's Portfolio Manager

We remained focused on enhancing yield and preserving net asset value in a volatile interest rate environment, and the Fund was able to outperform its comparable Lipper category average.

Describe the recent market environment relative to municipal bonds.

For much of the six-month period, a positive economic backdrop helped bond

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prices to move higher as yields, which typically move opposite of prices, declined. In early April, however, a surprisingly strong monthly employment report triggered fears that the long-accommodative Federal Reserve Board might raise interest rates sooner than many had expected. As a result, bond yields rose (prices fell) sharply for the remainder of the period. At the end of April, long-term U.S. Treasury bond yields had climbed to 5.13%, representing an increase of approximately 15 basis points (.15%) over the past six months. Ten-year U.S. Treasury note yields stood at 4.30% as of period-end, an increase of more than 20 basis points.

Tax-exempt bond yields generally mimicked the movement of their taxable counterparts, although volatility in the municipal market was more subdued. Long-term revenue bond yields, as measured by the Bond Buyer Revenue Bond Index, rose just four basis points over the past six months. For the same period, yields on AAA-rated issues maturing in 30 years increased approximately 10 basis points to 4.93% while yields on 10-year, AAA-rated issues increased more than 16 basis points to nearly 4%, according to Municipal Market Data. The more marked increase in 10-year bond yields may be attributed to the fact that recent issuance has been heavily concentrated in the 10-year - 20-year range. The resulting supply imbalance prompted higher intermediate bond yields (and lower prices). Longer-maturity and lower-rated issues continued to benefit from more favorable supply/demand factors and, therefore, have seen less price depreciation. For the six-month period as a whole, municipal bond supply declined approximately 5% compared to the same period a year ago.

While investor enthusiasm for stocks has taken some attention away from fixed income markets, overall demand for tax-exempt municipal bonds has remained positive. Recent Federal Reserve Board statistics showed that U.S. household holdings of municipal securities increased by more than \$25 billion during the fourth quarter of 2003 to approximately \$680 billion. In addition, data from the Investment Company Institute indicates that, in just the first three months of 2004, tax-exempt bond funds have seen net new cash flows of almost \$640 million.

How did the Fund perform in light of the existing market conditions?

For the six-month period ended April 30, 2004, the Common Stock of MuniYield Quality Fund, Inc. had net annualized yields of 6.46% and 7.30%, based on a period-end per share net asset value of \$15.08 and a per share market price of \$13.35, respectively, and \$.486 per share income dividends. Over the same period, the total investment return on the Fund's Common Stock was +1.50%, based on a change in per share net asset value from \$15.36 to \$15.08, and assuming reinvestment of \$.486 per share ordinary income dividends.

For the six-month period ended April 30, 2004, the Fund's Auction Market Preferred Stock (AMPS) had an average yield of .86% for Series A, .90% for Series B, .97% for Series C and .93% for Series D.

The Fund's return, based on net asset value, exceeded that of its comparable Lipper category of Insured Municipal Debt Funds (Leveraged), which had an average return of +1.01% for the six-month period. (Funds in this Lipper category invest primarily in municipal debt issues insured as to timely payment. These funds can be leveraged via use of debt, preferred equity and/or reverse repurchase agreements.) The Fund's outperformance is primarily attributed to the prerefunding of several holdings. When municipal bonds are prerefunded, they are essentially refinanced ahead of their maturity date. The proceeds from the refinancing are typically used to purchase government-backed debt. This is then pledged to pay off the original debt at an earlier call date. In short, when the bond holdings are prerefunded, their prices generally increase sharply, particularly when the yield curve is relatively steep. In addition, the Fund maintained its dividend during the period at \$.081 a share, generating an above-average tax-exempt yield for the Fund's shareholders.

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MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

For a description of the Fund's total investment return based on a change in the per share market value of the Fund's Common Stock (as measured by the trading price of the Fund's shares on the New York Stock Exchange), and assuming reinvestment of dividends, please refer to the Financial Highlights section included in this report. As a closed-end fund, the Fund's shares may trade in the secondary market at a premium or discount to the Fund's net asset value. As a result, total investment returns based on changes in the market value of the Fund's Common Stock can vary significantly from total investment return based on changes in the Fund's net asset value.

What changes were made to the portfolio during the period?

We continued to pursue three general themes in managing the Fund. First, when making new purchases, we tended to target longer-dated bonds, generally in the 25-year range. The municipal yield curve flattened out past this range; therefore, there was no significant yield to be gained by extending out any further. Second, we found it advantageous to purchase California municipal bonds. Given recent heavy supply of California issues, we have been able to make purchases at attractive spreads relative to national municipal bonds and historic norms for the state. We believe these holdings should benefit Fund performance as California's finances start to improve and state bonds begin trading at more typical levels. Finally, when available, we continued to favor premium-coupon bonds when making new purchases.

We generally maintained the Fund's fully invested position throughout the period, seeking to enhance shareholder income. With short-term interest rates at historic lows, the cost of holding cash reserves would have been relatively high in terms of its effect on performance.

Given the historically low short-term interest rates, the Fund's borrowing costs remained at attractive levels of around 1%. These levels, in combination with a positively sloped yield curve, provided a generous income benefit to the Common Stock shareholder from the leveraging of Preferred Stock. We believe the Fund's borrowing costs should remain at relatively low levels for the foreseeable future. While the timing is questionable, the Federal Reserve Board's next move likely will be to raise short-term interest rates. The increase, however, is expected to be gradual and should not have a material impact on the positive advantage leverage has had on the Fund's Common Stock yield. However, should the spread between short-term and long-term interest rates narrow, the benefits of leveraging will decline and, as a result, reduce the yield on the Fund's Common Stock. At the end of the period, the Fund's leverage amount, due to AMPS, was 30.35% of total assets. (For a more complete explanation of the benefits and risks of leveraging, see page 2 of this report to shareholders.)

How would you characterize the Fund's position at the close of the period?

The portfolio essentially remained fully invested in high-quality municipal bonds at the end of the period, which we believe should continue to provide a material benefit to the Common Stock shareholder as short-term interest rates remain near their historic lows. We maintained our defensive market stance at the close of the period in recognition of improving economic conditions. We believe this positioning prepares the Fund for relative outperformance once interest rates inevitably begin to rise. Finally, we remained overweight in premium-coupon bonds and continued to favor maturities in the 25-year range.

Michael A. Kalinoski
Vice President and Portfolio Manager

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May 12, 2004

MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

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[LOGO] Merrill Lynch Investment Managers

Proxy Results

During the six-month period ended April 30, 2004, MuniYield Quality Fund, Inc.'s Common Stock shareholders voted on the following proposal. The proposal was approved at a shareholders' meeting on April 27, 2004. A description of the proposal and number of shares voted are as follows:

		Shares Voted For	Sh F
1. To elect the Fund's Directors:	James H. Bodurtha	28,835,951	
	Joe Grills	28,833,526	
	Roberta Cooper Ramo	28,829,520	
	Robert S. Salomon, Jr.	28,833,868	
	Stephen B. Swensrud	28,817,683	

During the six-month period ended April 30, 2004, MuniYield Quality Fund, Inc.'s Preferred Stock shareholders (Series A - D) voted on the following proposal. The proposal was approved at a shareholders' meeting on April 27, 2004. A description of the proposal and number of shares voted are as follows:

		Shares Voted For	Sh
1. To elect the Fund's Board of Directors:	James H. Bodurtha, Joe Grills, Herbert I. London, Andre F. Perold, Roberta Cooper Ramo, Robert S. Salomon, Jr. and Stephen B. Swensrud	7,024	

Quality Profile

The quality ratings of securities in the Fund as of April 30, 2004 were as follows:

S&P Rating/Moody's Rating	Percent of Total Investments
AAA/Aaa	83.3%
AA/Aa	5.8
A/A	2.7
BBB/Baa	7.6

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NR (Not Rated) 0.6

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Schedule of Investments (in Thousands)

State	S&P Ratings	Moody's Ratings	Face Amount	Municipal Bonds
Alaska--0.5%	AAA	Aaa	\$ 2,100	Alaska State International Airports Revenue Bonds, 5.75% due 10/01/2019 (a)
Arizona--1.1%	AAA	NR*	2,345	Maricopa County, Arizona, Public Finance Revenue Bonds, RIB, Series 511X, 9.63% due 10/01/2019 (a)
	AAA	Aaa	2,000	Mesa, Arizona, IDA, Revenue Bonds (Discounted Series A), 5.875% due 1/01/2014 (g)
California--18.1%	AAA	Aaa	4,150	Alameda Corridor Transportation Authority Refunding Bonds, Subordinated Lien, Series 2003-A-1, 5.25% due 10/01/2025 (a)
	BBB+	A3	1,400	California State Department of Water Resources Revenue Bonds, Series A: 5.375% due 5/01/2021
	AAA	Aaa	1,000	5.375% due 5/01/2022 (g)
	BBB	Baa1	4,000	California State, GO, 5.25% due 4/01/2032
	AAA	Aaa	2,000	California State, GO, Refunding: 5.25% due 2/01/2022 (k)
	BBB	Baa1	5,700	5.25% due 2/01/2028
	BBB	Baa1	3,000	5.25% due 2/01/2029
	AAA	Aaa	6,000	5.25% due 2/01/2030 (b)
	AAA	Aaa	7,700	5.25% due 2/01/2030 (g)
	AAA	NR*	2,850	California State, GO, Refunding, ROCS, Series 2003-A-1, 9.33% due 2/01/2033 (i) (j)
	BBB-	Baa2	1,500	California State Public Works Board, Lease Revenue Bonds (Department of Mental Health--Coalinga State Hospital), Series A, 5.125% due 6/01/2029
	BBB	Baa1	2,500	California State, Various Purpose, GO: 5.25% due 11/01/2029
	BBB	Baa1	3,200	5.50% due 11/01/2033
	BBB	Baa3	3,600	Golden State Tobacco Securitization Corporation Tobacco Settlement Revenue Bonds: Series 2003-A-1, 6.75% due 6/01/2033
	BBB-	Baa2	4,050	Series B, 5.60% due 6/01/2028
	AAA	Aaa	3,000	Series B, 5.50% due 6/01/2033 (b)
	AAA	Aaa	1,870	Series B, 5.625% due 6/01/2033 (b)
	AAA	Aaa	4,500	Series B, 5% due 6/01/2038 (a)
	AAA	Aaa	14,160	Series B, 5.625% due 6/01/2038 (k)
	AAA	Aaa	1,600	Series B, 5.50% due 6/01/2043 (b)
	AAA	Aaa	3,945	San Diego, California, Unified School District, Series D (d): 5.25% due 7/01/2022
	AAA	Aaa	2,175	5.25% due 7/01/2024

Portfolio Abbreviations

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To simplify the listings of MuniYield Quality Fund, Inc.'s portfolio holdings in the Schedule of Investments, we have abbreviated the names of many of the securities according to the list at right.

AMT	Alternative Minimum Tax (subject to)
COP	Certificates of Participation
DRIVERS	Derivative Inverse Tax-Exempt Receipts
EDA	Economic Development Authority
GO	General Obligation Bonds
HDA	Housing Development Authority
HFA	Housing Finance Agency
IDA	Industrial Development Authority
IDB	Industrial Development Board
PCR	Pollution Control Revenue Bonds
RIB	Residual Interest Bonds
RITR	Residual Interest Trust Receipts
ROCS	Reset Option Certificates
S/F	Single-Family

MUNIYIELD QUALITY FUND, INC. APRIL 30, 2004 7

[LOGO] Merrill Lynch Investment Managers

Schedule of Investments (continued) (in Thousands)

State	S&P Ratings	Moody's Ratings	Face Amount	Municipal Bonds
=====				
Colorado--9.7%				Colorado Health Facilities Authority Revenue Bonds, AMT:
	AA	Aa2	\$ 1,650	Series A: (Catholic Health Initiatives), 5.50%
	AA	NR*	1,600	(Covenant Retirement Communities In due 12/01/2027 (j))
	AA	NR*	1,000	(Covenant Retirement Communities In due 12/01/2033 (j))
				Colorado Housing and Finance Authority, R
				Bonds, AMT:
	AAA	Aaa	2,085	(S/F Program), Series B-2, 6.80% du
	AAA	Aaa	960	(S/F Program), Series C-2, 8.40% du
	AAA	Aaa	1,410	Series C-2, 7.05% due 4/01/2031 (e)
	AAA	Aaa	2,285	Series C-2, 7.25% due 10/01/2031 (a
	AAA	Aaa	640	Series E-2, 7% due 2/01/2030 (g)
	AAA	Aaa	4,000	Denver, Colorado, City and County Airport
				Series D, 7.75% due 11/15/2013 (g)
				Denver, Colorado, City and County, COP, S
	AAA	Aaa	8,000	5.50% due 12/01/2010
	AAA	Aaa	6,405	5.75% due 12/01/2010
	AAA	Aaa	16,000	Northwest Parkway, Colorado, Public Highw
				Capital Appreciation Revenue Bonds, Senior
				Series C, 5.332%** due 6/15/2025 (f)
=====				
District of Columbia--0.6%	AAA	Aaa	2,500	District of Columbia Revenue Refunding Bo University of America Project), 5.625% du
=====				
Florida--0.7%	AA	NR*	2,240	Beacon Tradeport Community Development Di Special Assessment Revenue Refunding Bond Project), Series A, 5.625% due 5/01/2032

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	AAA	Aaa	1,000	South Miami, Florida, Health Facilities Authority Revenue Bonds (Baptist Health System Obligation), due 11/15/2033 (a)
Georgia--1.2%	A	A3	4,785	Monroe County, Georgia, Development Authority (Oglethorpe Power Corporation--Scherer), due 1/01/2011
Hawaii--0.5%	AAA	Aaa	2,000	Hawaii State, GO, Series CX, 5.50% due 2/01/2027
Illinois--18.1%	AAA	Aaa	1,750	Chicago, Illinois, Board of Education, GO (Chicago School Reform Project), Series A, due 12/01/2030
	NR*	Aaa	5,000	Chicago, Illinois, Capital Appreciation, Refunding, Series A (g): RIB, Series 467, 10.13% due 12/01/2029
	AAA	Aaa	1,000	5.422%** due 1/01/2027
	AAA	Aaa	1,000	5.435%** due 1/01/2028
	AAA	Aaa	1,000	5.448%** due 1/01/2029
	AAA	Aaa	1,000	5.46%** due 1/01/2030
	AAA	Aaa	5,000	Chicago, Illinois, GO (Lakefront Millennium Facilities) (g): 5.125% due 1/01/2028
	AAA	Aaa	2,500	5.444%** due 1/01/2029
	AAA	Aaa	3,400	Chicago, Illinois, O'Hare International Airport 3rd Lien, AMT, Series B-2: 5.75% due 1/01/2023 (f)
	AAA	Aaa	4,000	5.75% due 1/01/2024 (f)
	AAA	Aaa	3,300	6% due 1/01/2029 (b)
	AAA	Aaa	2,665	Chicago, Illinois, O'Hare International Airport Refunding Bonds, AMT: 3rd Lien, Series A-2, 5.75% due 1/01/2029
	AAA	NR*	6,835	DRIVERS, Series 250, 10.084% due 1/01/2029
	AAA	Aaa	6,200	Cook County, Illinois, Capital Improvement Bonds, Series A, 5.50% due 11/15/2026 (a)
	AAA	Aaa	2,130	Illinois Development Finance Authority Revenue Bonds (Presbyterian Home Lake Project), Series A, due 9/01/2017 (f)
	AAA	Aaa	3,000	Illinois Sports Facilities Authority Revenue Bonds, Series A, 5.414%** due 6/15/2030 (a)
	AAA	Aaa	10,000	Illinois State, GO, First Series, 5.50% due 11/15/2033 (a)
	NR*	A1	3,750	Illinois Student Assistance Commission, Series A, Refunding Bonds, AMT, Sub-Series CC, 6.87% due 11/15/2033 (a)
	NR*	Aaa	5,295	Kane and De Kalb Counties, Illinois, Commuter District Number 302, GO, 5.80% due 2/01/2029
	AAA	Aaa	7,000	Metropolitan Pier and Exposition Authority Dedicated State Tax Revenue Refunding Bonds (Expansion Project): 5.50% due 12/15/2024 (d)
	AAA	Aaa	3,500	Series B, 5.75% due 6/15/2023 (g)

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MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

Schedule of Investments (continued)

(in Thousands)

State	S&P Ratings	Moody's Ratings	Face Amount	Municipal Bonds
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=====				
Indiana--4.0%				De Kalb County, Indiana, Redevelopment Authority (Mini-Mill), Series A (1):
	AAA	Aaa	\$ 3,000	6.50% due 1/15/2014
	AAA	Aaa	3,220	6.625% due 1/15/2017
	AAA	Aaa	2,500	Indiana Bond Bank Revenue Bonds, Guaranteed 6.875% due 2/01/2012 (a)
	BBB	Baa2	8,800	Indianapolis, Indiana, Airport Authority, Revenue Bonds (Federal Express Corporation) 7.10% due 1/15/2017
=====				
Kentucky--2.2%	AAA	Aaa	6,570	Lexington--Fayette Urban County Governmental Program Revenue Bonds (University Alumni Association Inc. Project), 6.75% due 6/01/2017
	NR*	Baa2	3,250	Perry County, Kentucky, Solid Waste Disposal International Project), AMT, 7% due 6/01/2017
=====				
Louisiana--4.1%	AAA	Aaa	8,500	Louisiana Local Government, Environmental Development Authority Revenue Bonds (Capital Equipment Acquisition), Series A, 6.30% due 6/01/2017
	AAA	Aaa	6,800	New Orleans, Louisiana, Ernest N. Morial Special Tax, Sub-Series A, 5.25% due 7/15/2017
	AAA	Aaa	1,900	Terrebonne Parish, Louisiana, Hospital System Number 1, Hospital Revenue Bonds (Terrebonne Center Project), 5.50% due 4/01/2033 (a)
=====				
Massachusetts--4.6%				Massachusetts Bay, Massachusetts, Transportation General Transportation System Revenue Refunding Series A (g):
	AAA	Aaa	3,730	7% due 3/01/2011
	AAA	Aaa	3,550	7% due 3/01/2014
	AAA	Aaa	7,005	Massachusetts State, HFA, Rental Housing Bonds, AMT, Series C, 5.60% due 1/01/2045
	AAA	Aaa	1,310	Massachusetts State, HFA, S/F Housing Revenue Bonds, Series 37, 6.35% due 6/01/2017
	AAA	Aaa	1,205	Series 37, 6.35% due 6/01/2017
	AAA	Aaa	2,625	Massachusetts State Port Authority, Special Bonds (Delta Air Lines Inc. Project), AMT, 5.50% due 1/01/2019 (a)
=====				
Michigan--5.6%				Detroit, Michigan, City School District, Revenue Refunding Bonds (Detroit Edison Company Project), Series A, 5.50% due 5/01/2019
	AAA	Aaa	4,000	5.50% due 5/01/2019
	AAA	Aaa	3,625	5.50% due 5/01/2020
	AAA	Aaa	3,040	Michigan Higher Education Student Loan Authority Revenue Refunding Bonds, AMT, Series XVII, 5.50% due 9/01/2020 (a)
	AAA	Aaa	3,100	Michigan State Strategic Fund, Limited Obligation Refunding Bonds (Detroit Edison Company Project), Series A, 5.45% due 9/01/2029
	AAA	Aaa	1,700	Series A, 5.50% due 6/01/2030
	AAA	Aaa	3,300	Series C, 5.65% due 9/01/2029
	AAA	Aaa	5,800	Series C, 5.45% due 12/15/2032
=====				
Nebraska--0.5%	A+	NR*	2,300	Washington County, Nebraska, Wastewater Treatment Plant Revenue Refunding Bonds (Cargill Inc. Project), AMT, 5.90% due 9/01/2020 (a)
=====				
Nevada--3.5%	AA	NR*	4,100	Carson City, Nevada, Hospital Revenue Bonds (Hospital Project), Series A, 5.50% due 9/01/2020 (a)
				Director of the State of Nevada, Department of Transportation Industry Revenue Bonds (Las Vegas Monorail Project), Series A, 5.50% due 9/01/2020 (a)
				First Tier (a):

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	AAA	Aaa	1,000	5.625% due 1/01/2032
	AAA	Aaa	4,400	5.375% due 1/01/2040
	AAA	Aaa	5,710	Washoe County, Nevada, School District, G due 12/01/2009 (f) (h)
=====				
New Hampshire--3.5%	AAA	Aaa	10,000	New Hampshire Health and Education Facilities Revenue Bonds (Dartmouth--Hitchcock Oblig 5.50% due 8/01/2027 (f)
	AAA	Aaa	5,000	New Hampshire State Business Finance Auth (Public Service Company), AMT, Series D,
=====				
New Jersey--1.2%	BBB	Baa3	5,700	Tobacco Settlement Financing Corporation Bonds, 6.75% due 6/01/2039

MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

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[LOGO] Merrill Lynch Investment Managers

Schedule of Investments (continued)

(in Thousands)

State	S&P Ratings	Moody's Ratings	Face Amount	Municipal Bonds
=====				
New York--10.4%	AAA	Aaa	\$ 700	Erie County, New York, IDA, School Facilities (City of Buffalo Project), 5.75% due 5/01/2026
	AAA	Aaa	8,085	New York City, New York, City Municipal Water Authority, Water and Sewer System Revenue Series FR-6, 10.025% due 6/15/2026 (g) (i)
	AAA	NR*	3,500	New York City, New York, GO: DRIVERS, Series 194, 10.157% due 2/01/2026
	NR*	Aaa	6,920	RIB, Series 394, 10.352% due 8/01/2026
	AAA	Aaa	9,325	Refunding, Series G, 5.75% due 2/01/2026
	AAA	Aaa	5,000	Series B, 5.875% due 8/15/2013 (b)
	AAA	A2	4,660	Series F, 5.75% due 2/01/2019 (b)
	AAA	Aaa	4,570	Tobacco Settlement Financing Corporation Revenue Bonds, Series A-1, 5.25% due 6/01/2039
=====				
Ohio--0.5%	AA	NR*	2,000	Jackson, Ohio, Hospital Facilities Revenue (Consolidated Health System--Jackson Hosp due 10/01/2020 (j)
=====				
Oklahoma--0.8%				Tulsa, Oklahoma, Airports Improvement Trust Bonds (Tulsa International Airport), AMT
	AAA	Aaa	1,250	Series A, 6% due 6/01/2020
	AAA	Aaa	1,000	Series B, 6% due 6/01/2019
	AAA	Aaa	1,000	Series B, 6.125% due 6/01/2026
=====				
Oregon--2.0%	NR*	Aaa	7,500	Portland, Oregon, Sewer System Revenue Bonds 10.08% due 8/01/2020 (d) (i)
=====				
Pennsylvania--4.6%	AAA	Aaa	2,000	Allegheny County, Pennsylvania, Port Authority Transportation Revenue Bonds, 6% due 3/01/2020
	AAA	Aaa	800	Allegheny County, Pennsylvania, Sanitation Revenue Bonds, 5.50% due 12/01/2030 (g)
	AAA	Aaa	6,250	Philadelphia, Pennsylvania, Authority for Development, Lease Revenue Bonds, Series

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				due 10/01/2021 (f)
	AAA	Aaa	1,500	Philadelphia, Pennsylvania, School Distri
	AAA	Aaa	3,670	5.625% due 8/01/2020
	AAA	Aaa	2,000	5.625% due 8/01/2021
	AAA	Aaa	3,000	5.625% due 8/01/2022
	AAA	Aaa	3,000	Washington County, Pennsylvania, Capital
				Revenue Bonds (Capital Projects and Equip
				6.15% due 12/01/2029 (a)
=====				
Rhode Island--0.6%	AAA	Aaa	2,500	Providence, Rhode Island, GO, Series A, 5
=====				
South Carolina--3.6%	AAA	Aaa	3,300	Florence County, South Carolina, Hospital
				Bonds (McLeod Regional Medical Center Pro
				5.25% due 11/01/2034 (f)
	AA	Ba1	3,450	South Carolina Educational Facilities Aut
				Nonprofit Institutions Revenue Bonds (The
				5.625% due 7/01/2031 (j)
	AAA	NR*	3,045	South Carolina State Public Service Autho
				Refunding Bonds, DRIVERS, Series 277, 10.
				due 1/01/2022 (g) (i)
	NR*	A1	3,800	Spartanburg County, South Carolina, Solid
				Facilities Revenue Bonds (BMW Project), A
				due 11/01/2024
	BBB	Baa3	2,400	Tobacco Settlement Revenue Management Aut
				Carolina, Tobacco Settlement Revenue Bond
				6.375% due 5/15/2030
=====				
Tennessee--6.3%	AAA	Aaa	17,000	Chattanooga, Tennessee, IDB, Lease Rent R
				(Southside Redevelopment Corporation), 5.
				due 10/01/2024 (a)
	AAA	Aaa	5,000	Memphis--Shelby County, Tennessee, Airpor
				Revenue Bonds, AMT, Series D, 6.25% due 3
				Tennessee HDA, Homeownership Revenue Bond
	AAA	Aaa	2,075	6.10% due 7/01/2013
	AA	Aa2	2,390	6.20% due 7/01/2015

10 MUNIYIELD QUALITY FUND, INC. APRIL 30, 2004

Schedule of Investments (continued) (in Thousands)

State	S&P Ratings	Moody's Ratings	Face Amount	Municipal Bonds
=====				
Texas--15.5%				Austin, Texas, Convention Center Revenue
				Enterprises Inc.), Trust Certificates, Se
	A-	Aa3	\$ 4,000	6% due 1/01/2023
	A-	Aa3	1,400	5.75% due 1/01/2032
	NR*	Aaa	1,000	Bell County, Texas, Health Facilities Dev
				(Lutheran General Health Care System), 6.
	AAA	Aaa	5,000	Dallas-Fort Worth, Texas, International A
				AMT, Series A, 5.375% due 11/01/2022 (f)
				Dallas-Fort Worth, Texas, International A
				Refunding and Improvement Bonds, AMT, Ser
	AAA	Aaa	1,835	5.875% due 11/01/2017
	AAA	Aaa	2,145	5.875% due 11/01/2018
	AAA	Aaa	2,385	5.875% due 11/01/2019

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	NR*	Aaa	5,235	Denton, Texas, Utility System Revenue Bonds 10.58% due 12/01/2017 (f) (i)
	AA	Baa2	6,000	Gregg County, Texas, Health Facilities Development Hospital Revenue Bonds (Good Shepherd Medical Center) 6.875% due 10/01/2020
	AA	Baa2	2,600	6.375% due 10/01/2025
	AAA	Aaa	4,000	Harris County, Houston, Texas, Sports Authority Refunding Bonds, Senior Lien, Series G, 5.50% due 11/15/2020 (g)
	AAA	Aaa	2,700	Houston, Texas, Airport System Revenue Bonds Sub-Lien, Series B, 5.50% due 7/01/2030 (h)
	AA	Baa2	2,800	Sam Rayburn, Texas, Municipal Power Agency Bonds, 5.75% due 10/01/2021 (j)
	AAA	Aaa	3,200	San Benito, Texas, Consolidated Independent GO, 5.75% due 2/15/2016 (g)
	AAA	Aaa	7,200	Texas State Turnpike Authority, Central Texas Revenue Bonds, First Tier, Series A, 5.75% Travis County, Texas, Health Facilities Development Revenue Refunding Bonds (Ascension Health) 5.875% due 11/15/2009 (a)
	AAA	Aaa	4,600	6.25% due 11/15/2009 (g)
Utah--3.8%	AAA	Aaa	15,000	Salt Lake City, Utah, Hospital Revenue Refunding Hospitals Inc.), 6.30% due 2/15/2015 (g)
Virginia--2.2%	AAA	Aaa	6,000	Fairfax County, Virginia, EDA, Resource Refunding Refunding Bonds, AMT, Series A, 6.05% due 10/01/2027 (a)
	AAA	Aaa	3,100	Halifax County, Virginia, IDA, Exempt Facility Refunding Bonds (Old Dominion Electric Company) AMT, 5.625% due 6/01/2028 (a)
Washington--9.0%	AAA	NR*	10,000	Energy Northwest, Washington, Electric Refunding DRIVERS, Series 242, 10.117% due 7/01/2017 (a)
	AAA	Aaa	2,835	King County, Washington, Sewer Revenue Refunding Series B, 5.50% due 1/01/2027 (f)
	AAA	Aaa	7,500	Washington State, GO (f): Series A and AT-6, 6.25% due 2/01/2013
	AAA	Aaa	9,000	Series S-4, 5.75% due 1/01/2013
	AAA	Aaa	3,595	Washington State, Various Purpose, GO (f): Series A, 5.625% due 7/01/2021
	AAA	Aaa	3,750	Series C, 5.25% due 1/01/2026
Wisconsin--0.7%	BBB	Baa3	2,600	Badger, Wisconsin, Tobacco Asset Securitization Asset-Backed Revenue Bonds, 6.375% due 6/01/2025 (a)
	NR*	Aaa	1,000	Milwaukee County, Wisconsin, Airport Revenue Series A, 5.75% due 12/01/2025 (d)
Puerto Rico--0.7%	AAA	Aaa	2,435	Puerto Rico Electric Power Authority, Power Trust Receipts, Class R, Series 16 HH, 10.00% due 7/01/2013 (f) (i)
				Total Municipal Bonds (Cost--\$610,723)--100%

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Schedule of Investments (concluded)

(in Thousands)

Shares Held	Short-Term Securities
3,770	Merrill Lynch Institutional Tax-Exempt
Total Short-Term Securities (Cost--\$3	
Total Investments (Cost--\$614,493)--141.2%	
Other Assets Less Liabilities--2.4%	
Preferred Stock, at Redemption Value--(43.6%)	
Net Assets Applicable to Common Stock--100.0%	

- (a) AMBAC Insured.
- (b) XL Capital Insured.
- (c) Escrowed to maturity.
- (d) FGIC Insured.
- (e) FHA Insured.
- (f) FSA Insured.
- (g) MBIA Insured.
- (h) Prerefunded.
- (i) The interest rate is subject to change periodically and inversely based upon prevailing market rates. The interest rate shown is the rate in effect at April 30, 2004.
- (j) Radian Insured.
- (k) CIFG Insured.
- (l) Connie Lee Insured.
- (m) Investments in companies considered to be an affiliate of the Fund (such companies are defined as "Affiliated Companies" in Section 2(a)(3) of the Investment Company Act of 1940) are as follows:

(in Thousands)

Affiliate	Net Activity	Dividend Income
Merrill Lynch Institutional Tax-Exempt Fund	(6,700)	\$42

* Not Rated.

** Represents a zero coupon or step bond; the interest rate shown reflects the effective yield at the time of purchase by the Fund.

Forward interest rate swaps entered into as of April 30, 2004 were as follows:

(in Thousands)

	Notional Amount	Unrealized Appreciation
Receive a variable rate equal to 7-Day Bond Market Association Municipal		

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Preferred Stock, at redemption value, par value \$.05 per share (2,000 Series A Shares, 2,000 Series B Shares, 2,000 Series C Shares and 2,000 Series D Shares of AMPS* issued and outstanding at \$25,000 per share liquidation preference)

=====
 Net Assets Applicable to Common Stock

Net assets applicable to Common Stock

=====
 Analysis of Net Assets Applicable to Common Stock

Common Stock, par value \$.10 per share (30,425,258 shares issued and outstanding)	
Paid-in capital in excess of par	
Undistributed investment income--net	\$ 7,303,5
Accumulated realized capital losses on investments--net ...	(10,889,8
Unrealized appreciation on investments--net	35,582,4

Total accumulated earnings--net	
Total--Equivalent to \$15.08 net asset value per share of Common Stock (market price--\$13.35)	

* Auction Market Preferred Stock.

See Notes to Financial Statements.

MUNIYIELD QUALITY FUND, INC. APRIL 30, 2004 13

[LOGO] Merrill Lynch Investment Managers

Statement of Operations

For the Six Months Ended April 30, 2004

=====
 Investment Income

Interest	
Dividends from affiliates	
Total income	

=====
 Expenses

Investment advisory fees	\$ 1,682,5
Commission fees	252,8
Accounting services	106,3
Transfer agent fees	46,2
Professional fees	33,1
Printing and shareholder reports	26,6
Custodian fees	17,6
Directors' fees and expenses	13,4

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Listing fees	12,0
Pricing fees	10,8
Other	27,7
<hr/>	
Total expenses before reimbursement	2,229,4
Reimbursement of expenses	(9,9
<hr/>	
Total expenses after reimbursement	
Investment income--net	

=====
Realized & Unrealized Loss on Investments--Net

Realized loss on investments--net	
Change in unrealized appreciation on investments--net	
Total realized and unrealized loss on investments--net	

=====
Dividends to Preferred Stock Shareholders

Investment income--net	
Net Increase in Net Assets Resulting from Operations	

See Notes to Financial Statements.

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Statements of Changes in Net Assets

	For the S Months End April 30 2004
Increase (Decrease) in Net Assets:	
<hr/>	
Operations	
<hr/>	
Investment income--net	\$ 15,672,7
Realized gain (loss) on investments--net	(263,4
Change in unrealized appreciation on investments--net	(8,172,5
Dividends to Preferred Stock shareholders	(914,2
<hr/>	
Net increase in net assets resulting from operations	6,322,4
<hr/>	
Dividends to Common Stock Shareholders	
<hr/>	
Investment income--net	(14,786,6
<hr/>	
Net decrease in net assets resulting from dividends to Common Stock shareholders	(14,786,6
<hr/>	

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Net Assets Applicable to Common Stock

Total increase (decrease) in net assets applicable to Common Stock	(8,464,1
Beginning of period	467,370,3
End of period*	\$ 458,906,1
* Undistributed investment income--net	\$ 7,303,5

See Notes to Financial Statements.

MUNIYIELD QUALITY FUND, INC. APRIL 30, 2004 15

[LOGO] Merrill Lynch Investment Managers

Financial Highlights

The following per share data and ratios have been derived from information provided in the financial statements.

For the Six
Months Ended
April 30,

Increase (Decrease) in Net Asset Value:	2004	2003
Per Share Operating Performance		
Net asset value, beginning of period	\$ 15.36	\$ 15.19
Investment income--net .....	.52++	1.07++
Realized and unrealized gain (loss) on investments--net	(.28)	.13
Dividends and distributions to Preferred Stock shareholders:		
Investment income--net	(.03)	(.07)
Realized gain on investments--net	--	--
Total from investment operations .....	.21	1.13
Less dividends and distributions to Common Stock shareholders:		
Investment income--net	(.49)	(.96)
Realized gain on investments--net	--	--
Total dividends and distributions to Common Stock shareholders	(.49)	(.96)
Net asset value, end of period	\$ 15.08	\$ 15.36
Market price per share, end of period	\$ 13.35	\$ 14.35
Total Investment Return**		
Based on market price per share	(3.82%)@@	11.68%
Based on net asset value per share	1.50%@@	8.13%

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Ratios Based on Average Net Assets of Common Stock		
Total expenses, net of reimbursement*** ..	.94%*	.94%
Total expenses*** .....	.94%*	.95%
Total investment income--net***	6.60%*	6.89%
Amount of dividends to Preferred Stock shareholders .....	.38%*	.42%
Investment income--net, to Common Stock shareholders	6.22%*	6.47%
Ratios Based on Average Net Assets of Common & Preferred Stock***		
Total expenses, net of reimbursement .....	.66%*	.66%
Total expenses .....	.66%*	.66%
Total investment income--net	4.65%*	4.83%
Ratios Based on Average Net Assets of Preferred Stock		
Dividends to Preferred Stock shareholders	.92%*	.99%

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Financial Highlights (concluded)

The following per share data and ratios have been derived from information provided in the financial statements.	For the Six Months Ended		
	April 30, 2004	2003	2002
Supplemental Data			
Net assets applicable to Common Stock, end of period (in thousands)	\$458,906	\$467,370	\$467,370
Preferred Stock outstanding, end of period (in thousands)	\$200,000	\$200,000	\$200,000
Portfolio turnover	9.57%	33.92%	33.92%
Leverage			
Asset coverage per \$1,000	\$ 3,295	\$ 3,337	\$ 3,337

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Dividends Per Share on Preferred Stock Outstanding

Series A--Investment income--net	\$	107	\$	273	\$
Series B--Investment income--net	\$	113	\$	238	\$
Series C--Investment income--net	\$	120	\$	253	\$
Series D--Investment income--net	\$	116	\$	228	\$

* Annualized.

** Total investment returns based on market value, which can be significantly greater or lesser than the net asset value, may result in substantially different returns. Total investment returns exclude the effects of sales charges.

*** Do not reflect the effect of dividends to Preferred Stock shareholders.

+ Certain prior year amounts have been reclassified to conform to current year presentation.

++ Based on average shares outstanding.

@ Amount is less than \$(.01) per share.

@@ Aggregate total investment return.

See Notes to Financial Statements.

MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

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[LOGO] Merrill Lynch Investment Managers

Notes to Financial Statements

1. Significant Accounting Policies:

MuniYield Quality Fund, Inc. (the "Fund") is registered under the Investment Company Act of 1940, as amended, as a non-diversified, closed-end management investment company. The Fund's financial statements are prepared in conformity with accounting principles generally accepted in the United States of America, which may require the use of management accruals and estimates. Actual results may differ from these estimates. These unaudited financial statements reflect all adjustments, which are, in the opinion of management, necessary to a fair statement of the results for the interim period presented. All such adjustments are of a normal, recurring nature. The Fund determines and makes available for publication the net asset value of its Common Stock on a weekly basis. The Fund's Common Stock is listed on the New York Stock Exchange under the symbol MQY. The following is a summary of significant accounting policies followed by the Fund.

(a) Valuation of investments -- Municipal bonds are traded primarily in the over-the-counter markets and are valued at the last available bid price in the over-the-counter market or on the basis of yield equivalents as obtained by the Fund's pricing service from one or more dealers that make markets in the securities. Financial futures contracts and options thereon, which are traded on exchanges, are valued at their closing prices as of the close of such exchanges. Options written or purchased are valued at the last sale price in the case of exchange-traded options. In the case of options traded in the over-the-counter market, valuation is the last asked price (options written) or the last bid price (options purchased). Swap agreements are valued by quoted fair values received daily by the Fund from the counterparty. Short-term investments with a remaining maturity of sixty days or less are valued at amortized cost, which

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approximates market value. Securities and assets for which market quotations are not readily available are valued at fair value as determined in good faith by or under the direction of the Board of Directors of the Fund, including valuations furnished by a pricing service retained by the Fund, which may utilize a matrix system for valuations. The procedures of the pricing service and its valuations are reviewed by the officers of the Fund under the general supervision of the Board of Directors.

(b) Derivative financial instruments -- The Fund may engage in various portfolio investment strategies both to increase the return of the Fund and to hedge, or protect, its exposure to interest rate movements and movements in the securities markets. Losses may arise due to changes in the value of the contract or if the counterparty does not perform under the contract.

o Financial futures contracts -- The Fund may purchase or sell financial futures contracts and options on such futures contracts. Futures contracts are contracts for delayed delivery of securities at a specific future date and at a specific price or yield. Upon entering into a contract, the Fund deposits and maintains as collateral such initial margin as required by the exchange on which the transaction is effected. Pursuant to the contract, the Fund agrees to receive from or pay to the broker an amount of cash equal to the daily fluctuation in value of the contract. Such receipts or payments are known as variation margin and are recorded by the Fund as unrealized gains or losses. 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.

o Options -- The Fund may write covered call options and purchase put options. When the Fund writes an option, an amount equal to the premium received by the Fund is reflected as an asset and an equivalent liability. The amount of the liability is subsequently marked to market to reflect the current market value of the option written. When a security is purchased or sold through an exercise of an option, the related premium paid (or received) is added to (or deducted from) the basis of the security acquired or deducted from (or added to) the proceeds of the security sold. When an option expires (or the Fund enters into a closing transaction), the Fund realizes a gain or loss on the option to the extent of the premiums received or paid (or gain or loss to the extent the cost of the closing transaction exceeds the premium paid or received).

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Notes to Financial Statements (continued)

Written and purchased options are non-income producing investments.

o Forward interest rate swaps -- The Fund may enter into forward interest rate swaps. In a forward interest rate swap, the Fund and the counterparty agree to make periodic net payments on a specified notional contract amount, commencing on a specified future effective date, unless terminated earlier. When the agreement is closed, the Fund records a realized gain or loss in an amount equal to the value of the agreement.

(c) Income taxes -- It is the Fund's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute substantially all of its taxable income to its shareholders. Therefore, no Federal income tax provision is required.

(d) Security transactions and investment income -- Security transactions are

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recorded on the dates the transactions are entered into (the trade dates). Realized gains and losses on security transactions are determined on the identified cost basis. Dividend income is recorded on the ex-dividend dates. Interest income is recognized on the accrual basis. The Fund amortizes all premiums and discounts on debt securities.

(e) Dividends and distributions -- Dividends from net investment income are declared and paid monthly. Distributions of capital gains are recorded on the ex-dividend dates.

2. Investment Advisory Agreement and Transactions with Affiliates:

The Fund has entered into an Investment Advisory Agreement with Fund Asset Management, L.P. ("FAM"). The general partner of FAM is Princeton Services, Inc. ("PSI"), an indirect, wholly-owned subsidiary of Merrill Lynch & Co., Inc. ("ML & Co."), which is the limited partner.

FAM is responsible for the management of the Fund's portfolio and provides the necessary personnel, facilities, equipment and certain other services necessary to the operations of the Fund. For such services, the Fund pays a monthly fee at an annual rate of .50% of the Fund's average weekly net assets, including proceeds from the issuance of Preferred Stock. For the six months ended April 30, 2004, FAM reimbursed the Fund in the amount of \$9,902.

For the six months ended April 30, 2004, the Fund reimbursed FAM \$6,879 for certain accounting services.

Certain officers and/or directors of the Fund are officers and/or directors of FAM, PSI, and/or ML & Co.

3. Investments:

Purchases and sales of investments, excluding short-term securities, for the six months ended April 30, 2004 were \$66,471,232 and \$62,890,278, respectively.

Net realized gains (losses) for the six months ended April 30, 2004 and net unrealized appreciation as of April 30, 2004 were as follows:

	Realized Gains (Losses)	Unrealized Appreciation
Long-term investments	\$ 4,021,393	\$33,612,575
Forward interest rate swaps	(4,284,873)	1,969,898
Total	\$ (263,480)	\$35,582,473
	=====	=====

MUNIYIELD QUALITY FUND, INC.

APRIL 30, 2004

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[LOGO] Merrill Lynch Investment Managers

Notes to Financial Statements (concluded)

As of April 30, 2004, net unrealized appreciation for Federal income tax purposes aggregated \$33,663,906, of which \$35,863,584 related to appreciated securities and \$2,199,678 related to depreciated securities. The aggregate cost of investments at April 30, 2004 for Federal income tax purposes was \$614,441,731.

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4. Stock Transactions:

The Fund is authorized to issue 200,000,000 shares of stock, including Preferred Stock, par value \$.10 per share, all of which were initially classified as Common Stock. The Board of Directors is authorized, however, to reclassify any unissued shares of stock without approval of the holders of Common Stock.

Preferred Stock

Auction Market Preferred Stock are redeemable shares of Preferred Stock of the Fund, with a par value of \$.05 per share and a liquidation preference of \$25,000 per share, plus accrued and unpaid dividends, that entitle their holders to receive cash dividends at an annual rate that may vary for the successive dividend periods. The yields in effect at April 30, 2004 were as follows: Series A, 1.02%; Series B, 1.00%; Series C, .85%; and Series D, .97%.

The Fund pays commissions to certain broker-dealers at the end of each auction at an annual rate ranging from .25% to .375%, calculated on the proceeds of each auction. For the six months ended April 30, 2004, Merrill Lynch, Pierce, Fenner & Smith Incorporated, an affiliate of FAM, earned \$118,175 as commissions.

5. Capital Loss Carryforward:

On October 31, 2003, the Fund had a net capital loss carryforward of \$4,372,432, of which \$1,093,528 expires in 2008 and \$3,278,904 expires in 2010. This amount will be available to offset like amounts of any future taxable gains.

6. Subsequent Event:

The Fund paid a tax-exempt income dividend to holders of Common Stock in the amount of \$.081000 per share on May 27, 2004 to shareholders of record on May 14, 2004.

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Dividend Policy

The Fund's dividend policy is to distribute all or a portion of its net investment income to its shareholders on a monthly basis. In order to provide shareholders with a more stable level of dividend distributions, the Fund may at times pay out less than the entire amount of net investment income earned in any particular month and may at times in any month pay out such accumulated but undistributed income in addition to net investment income earned in that month. As a result, the dividends paid by the Fund for any particular month may be more or less than the amount of net investment income earned by the Fund during such month. The Fund's current accumulated but undistributed net investment income, if any, is disclosed in the Statement of Net Assets, which comprises part of the financial information included in this report.

MUNIYIELD QUALITY FUND, INC. APRIL 30, 2004 21

[LOGO] Merrill Lynch Investment Managers

Officers and Directors

Terry K. Glenn, President and Director
James H. Bodurtha, Director
Joe Grills, Director

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Herbert I. London, Director
Andre F. Perold, Director
Roberta Cooper Ramo, Director
Robert S. Salomon, Jr., Director
Stephen B. Swensrud, Director
Kenneth A. Jacob, Senior Vice President
John M. Loffredo, Senior Vice President
Michael A. Kalinoski, Vice President
Donald C. Burke, Vice President and Treasurer
Phillip S. Gillespie, Secretary

Custodian

State Street Bank and Trust Company
P.O. Box 351
Boston, MA 02101

Transfer Agents

Common Stock:

EquiServe
P.O. Box 43010
Providence, RI 02940-3010

Preferred Stock:

The Bank of New York
101 Barclay Street -- 7 West
New York, NY 10286

NYSE Symbol

MQY

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Electronic Delivery

The Fund offers electronic delivery of communications to its shareholders. In order to receive this service, you must register your account and provide us with e-mail information. To sign up for this service, simply access this website <http://www.icsdelivery.com/live> and follow the instructions. When you visit this site, you will obtain a personal identification number (PIN). You will need this PIN should you wish to update your e-mail address, choose to discontinue this service and/or make any other changes to the service. This service is not available for certain retirement accounts at this time.

MUNIYIELD QUALITY FUND, INC. APRIL 30, 2004 23

[LOGO] Merrill Lynch Investment Managers www.mlim.ml.com

MuniYield Quality Fund, Inc. seeks to provide shareholders with as high a level of current income exempt from Federal income taxes as is consistent with its investment policies and prudent investment management by investing primarily in a portfolio of long-term, high-grade municipal obligations the interest on which is exempt from Federal income taxes in the opinion of bond counsel to the issuer.

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This report, including the financial information herein, is transmitted to shareholders of MuniYield Quality Fund, Inc. for their information. It is not a prospectus. Past performance results shown in this report should not be considered a representation of future performance. The Fund has leveraged its Common Stock and intends to remain leveraged by issuing Preferred Stock to provide the Common Stock shareholders with a potentially higher rate of return. Leverage creates risks for Common Stock shareholders, including the likelihood of greater volatility of net asset value and market price of shares of the Common Stock, and the risk that fluctuations in the short-term dividend rates of the Preferred Stock may affect the yield to Common Stock shareholders. Statements and other information herein are as dated and are subject to change.

A description of the policies and procedures that the Fund uses to determine how to vote proxies relating to portfolio securities is available (1) without charge, upon request, by calling toll-free 1-800-MER-FUND (1-800-637-3863); (2) on www.mutualfunds.ml.com; and (3) on the Securities and Exchange Commission's website at <http://www.sec.gov>.

MuniYield Quality Fund, Inc.
Box 9011
Princeton, NJ
08543-9011

#16352 -- 4/04

- Item 2 - Code of Ethics - Not Applicable to this semi-annual report
- Item 3 - Audit Committee Financial Expert - Not Applicable to this semi-annual report
- Item 4 - Principal Accountant Fees and Services - Not Applicable to this semi-annual report
- Item 5 - Audit Committee of Listed Registrants - Not Applicable to this semi-annual report
- Item 6 - Schedule of Investments - Not Applicable
- Item 7 - Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies - Not Applicable to this semi-annual report
- Item 8 - Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers - Not Applicable
- Item 9 - Submission of Matters to a Vote of Security Holders - Not Applicable
- Item 10 - Controls and Procedures
 - 10(a) - The registrant's certifying officers have reasonably designed such disclosure controls and procedures to ensure material information relating to the registrant is made known to us by others particularly during the period in which this report is being prepared. The registrant's certifying officers have determined that the registrant's disclosure controls and procedures are effective based on our evaluation of these controls and procedures as of a date within 90 days prior to the filing date of this report.
 - 10(b) - There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR

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270.30a-3(d)) that occurred during the last fiscal half-year of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 11 - Exhibits attached hereto

11(a) (1) - Code of Ethics - Not Applicable to this semi-annual report

11(a) (2) - Certifications - Attached hereto

11(a) (3) - Not Applicable

11(b) - Certifications - Attached hereto

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.

MuniYield Quality Fund, Inc.

By: /s/ Terry K. Glenn

Terry K. Glenn,
President of
MuniYield Quality Fund, Inc.

Date: June 18, 2004

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: /s/ Terry K. Glenn

Terry K. Glenn,
President of
MuniYield Quality Fund, Inc.

Date: June 18, 2004

By: /s/ Donald C. Burke

Donald C. Burke,
Chief Financial Officer of
MuniYield Quality Fund, Inc.

Date: June 18, 2004