

SECURITIES AND EXCHANGE COMMISSION

FORM N-CSRS

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Form N-CSR

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FILER

MASTER SENIOR FLOATING RATE TRUST

CIK: **1115561** | IRS No.: **000000000** | Fiscal Year End: **1231**
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Mailing Address	Business Address
<i>C/O MERRILL LYNCH ASSET MANAGEMENT 800 SCUDDERS MILL RD LEGAL ADVISORY 2-B PLAINSBORO NJ 08536</i>	<i>C/O MERRILL LYNCH ASSET MANAGEMENT 800 SCUDDER MILL ROAD LEGAL ADVISORY -2B PLAINSBORO NJ 08536</i>

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 811-05870
811-10171

Name of Fund: Merrill Lynch Senior Floating Rate Fund, Inc.
Master Senior Floating Rate Trust

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

Name and address of agent for service: Robert C. Doll, Jr., Chief
Executive Officer, Merrill Lynch Senior Floating Rate Fund,
Inc. and Master Senior Floating Rate Trust, 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: 08/31/05

Date of reporting period: 09/01/04 - 02/28/05

Item 1 - Report to Stockholders

Merrill Lynch
Senior Floating Rate
Fund, Inc.

Semi-Annual Report
February 28, 2005

(BULL LOGO) Merrill Lynch Investment Managers
www.mlim.ml.com

Mercury Advisors
A Division of Merrill Lynch Investment Managers
www.mercury.ml.com

Merrill Lynch Senior Floating Rate Fund, Inc. seeks as high a level
of current income and such preservation of capital as is consistent
with investment in senior collateralized corporate loans made by
banks and other financial institutions.

This report, including the financial information herein, is
transmitted for use only to the shareholders of Merrill Lynch
Senior Floating Rate Fund, Inc. for their information. It is not a
prospectus, circular or representation intended for use in the
purchase of shares of the Fund or any securities mentioned in this
report. Past performance results shown in this report should not be
considered a representation of future performance.

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) at www.mutualfunds.ml.com;
and (3) on the Securities and Exchange Commission's Web site at
<http://www.sec.gov>. Information about how the Fund voted proxies
relating to securities held in the Fund's portfolio during the
most recent 12-month period ended June 30 is available (1) at
www.mutualfunds.ml.com and (2) on the Securities and Exchange
Commission's Web site at <http://www.sec.gov>.

Merrill Lynch Senior Floating Rate Fund, Inc.
Box 9011
Princeton, NJ
08543-9011

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Merrill Lynch Senior Floating Rate Fund, Inc.

Officers and Directors/Trustees

Robert C. Doll, Jr., President and Director/Trustee
Ronald W. Forbes, Director/Trustee
Cynthia A. Montgomery, Director/Trustee
Jean Margo Reid, Director/Trustee
Roscoe S. Suddarth, Director/Trustee
Richard R. West, Director/Trustee
Edward D. Zinbarg, Director/Trustee
Joseph P. Matteo, Vice President
Donald C. Burke, Vice President and Treasurer
Jeffrey Hiller, Chief Compliance Officer
Alice A. Pellegrino, Secretary

Custodian
The Bank of New York
100 Church Street
New York, NY 10286

Transfer Agent
Financial Data Services, Inc.
4800 Deer Lake Drive East
Jacksonville, FL 32246-6484
800-637-3863

Effective January 1, 2005, Terry K. Glenn, President and Director/Trustee and Kevin A. Ryan, Director/Trustee of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust retired. The Fund's Board of Directors/Trustees wishes Messrs. Glenn and Ryan well in their retirements.

Effective January 1, 2005, Robert C. Doll, Jr. became President and Director/Trustee of the Fund and the Trust.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

A Letter From the President

Dear Shareholder

Financial markets broadly posted positive returns over the most recent reporting period, with international equities providing some of the most impressive results.

<TABLE>
<CAPTION>

Total Returns as of February 28, 2005	6-month	12-month
<S>	<C>	<C>
U.S. equities (Standard & Poor's 500 Index)	+ 9.99%	+ 6.98%
International equities (MSCI Europe Australasia Far East Index)	+21.18	+18.68
Fixed income (Lehman Brothers Aggregate Bond Index)	+ 1.26	+ 2.43
Tax-exempt fixed income (Lehman Brothers Municipal Bond Index)	+ 2.40	+ 2.96
High yield bonds (Credit Suisse First Boston High Yield Index)	+ 7.53	+11.21

</TABLE>

The U.S. economy has continued to show resilience in the face of the Federal Reserve Board's (the Fed) continued interest rate hikes and, more recently, higher oil prices. The Fed's measured tightening program recently brought the federal funds rate to 2.75% en route to a more "neutral" short-term interest rate target (relative to inflation). Since the U.S. presidential election, progress has been monitored on many fronts in Washington, although concerns remain about the structural problems of debt and deficits, as reflected by a significant decline in the U.S. dollar.

U.S. equities ended 2004 in a strong rally, but remained in a fairly narrow trading range for the first two months of 2005. Divergences were notable among sectors, with energy emerging as a clear leader. On the positive side, corporations have accelerated their hiring plans, capital spending remains reasonably robust and merger-and-acquisition activity has increased. Offsetting the positives are slowing corporate earnings growth, renewed energy price concerns and the potential for an economic slowdown. International equities, particularly in Asia, have benefited from higher economic growth rates (China recorded growth of 9.3% in 2004), stronger currencies and relatively reasonable valuations.

The major action in the bond market has been a flattening of the yield curve. As short-term interest rates continued to rise, yields on the long end of the curve remained relatively stable - even declining at certain points since the Fed's monetary tightening program began in June 2004. This phenomenon has been largely attributed to continued foreign interest in U.S. bonds, which has served to absorb much of the excess supply. By period-end, many believed long-term yields were long overdue for a rise.

Looking ahead, the environment is likely to be a challenging one for investors, with diversification and selectivity becoming increasingly important themes. With this in mind, we encourage you to meet with your financial advisor to review your goals and asset allocation and to rebalance your portfolio, as necessary, to ensure it remains aligned with your objectives and risk tolerance. As always, 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,

(Robert C. Doll, Jr.)
Robert C. Doll, Jr.
President and Director/Trustee

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

A Discussion With Your Fund's Portfolio Manager

The Fund slightly outperformed its benchmark for the period, as security selection in the chemical, U.S. cable and services sectors had a positive effect on the relative return.

Describe market conditions during the past six months.

Throughout the period, the leverage loan market continued to benefit from the significant demand that it experienced since the beginning of 2004. This created an excess cash imbalance that was left virtually intact through the end of February 2005, as new inflows have continued to match the value of new issues. Demand in the marketplace has led to higher secondary-market loan prices and new issues with generally lower interest spreads versus London InterBank Offering Rate (LIBOR), and average new-issue allocation amounts per investor that are lower than their historical levels.

A significant rise in LIBOR more than offset declines in the interest rate spreads on BB-rated and B-rated new issues during the period. Another positive development in the leveraged loan sector has been the improving default rate. As of the end of February 2005,

the lagging 12-month institutional loan default rate stood at 1.36% by number of loans and 1.37% of principal amount, according to Standard & Poor's Leveraged Commentary & Data. Although this is a 12-month high due to the recent default of Tower Automotive Inc., the default rates are still well below the recent historical averages (since 1998) of 3.87% by number of loans and 4.18% by principal amount.

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

For the six-month period ended February 28, 2005, the Common Stock of Merrill Lynch Senior Floating Rate Fund, Inc. had a net annualized yield of 3.93%, based on a period-end per share net asset value of \$9.02 and \$.176 per share income dividends. For the same period, the total investment return on the Fund's Common Stock was +3.13%, based on a change in per share net asset value from \$8.91 to \$9.02, and assuming reinvestment of all distributions. For the same period, the Fund's unmanaged benchmark index, the Credit Suisse First Boston (CSFB) Leveraged Loan Index, recorded a total return of +3.01%.

Security selection in chemicals, U.S. cable and services benefited the Fund's performance during the period. However, the portfolio's holdings in the energy-other, transportation and steel sectors had a negative effect on the return.

The Fund's strong performance in the chemical sector resulted primarily from our positions in Pioneer Cos., Inc. and GEO Specialty Chemicals, Inc. The value of Pioneer Companies, a security we acquired during a corporate restructuring, rose during the period on the strength of the chlor-alkali industry. GEO Specialty Chemicals experienced improved operating performance and reduced leverage, leading to a rally in the company's bond and stock prices.

Our positions in the U.S. cable sector benefited from the strong returns of Century Cable Holdings LLC (an Adelphia company) and Charter Communications Operating LLC. The prices of securities of Century Cable, as well as other Adelphia companies in the portfolio, rallied as Adelphia nears the completion of its auction. Charter Communications' bank loan issue rallied on the company's recent refinancing to improve liquidity.

The Fund's positive return in the service sector was due mainly to the robust performances of our holdings in Anthony Crane Rental LP and The Shaw Group, Inc. The former company's term loan security rallied as the company prepared to exit bankruptcy with a more favorable capital structure and the commercial construction industry showed signs of renewed vigor. Shaw Group, an engineering and consulting firm, announced better-than-expected earnings, thereby boosting the price of the company's stock, which we received as part of the restructuring of IT Group. Shaw Group acquired all of the assets and some liabilities of IT Group in 2002.

The Fund's weak performances in the energy-other and transportation sectors resulted primarily from several companies calling at par value loans that had been priced above par in the market. At the end of the period, none of the Fund's holdings in the energy-other sector were priced below par value.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Finally, the main contributor to the Fund's poor performance in the steel sector was our position in Acme Package Corp. stock. The shares of this distressed company declined in value as the Fund received cash payments, which were classified for accounting purposes as the return of principal.

What changes were made to the portfolio during the period?

During the period, the Master Senior Floating Rate Trust, of which the Fund invests all of its assets, purchased assets of approximately \$282 million in par amount (face value), and experienced \$226 million in repayments from issuers. In addition,

we sold roughly \$16 million in assets during the period because of the Trust's relatively high cash position. We normally seek to maintain a cash weighting of less than 5% of net assets; however, issuer repayments, and the robust demand for paper in the leveraged loan market made this an increasingly difficult task.

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

At the end of the period, the portfolio was composed of 156 issuers spread among 26 industries. The Trust was underweight versus its composite benchmark in securities rated Ba or better and credits rated Caa or below, and was overweight in B-rated and unrated securities.

Looking forward, we anticipate that many of the same factors that had an impact on leveraged loan securities in the past six months will continue to influence the fundamentals in the market. We believe the trend of small allocation amounts for issuances of new loans, lower interest rate spreads and above-par secondary market prices will continue, especially given the benign credit environment we expect over the next six months. A further benefit to the market during the period would be an increase in LIBOR. Therefore, we plan to continue to purchase assets predominately in the primary market, while selectively participating in the secondary market.

Joseph P. Matteo
Vice President and Portfolio Manager

March 21, 2005

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Disclosure of Expenses

Shareholders of this Fund may incur the following charges: (a) expenses related to transactions, including sales charges, redemption fees and exchange fees; and (b) operating expenses, including advisory fees, distribution fees including 12(b)-1 fees, and other Fund expenses. The following example (which is based on a hypothetical investment of \$1,000 invested on September 1, 2004 and held through February 28, 2005) is intended to assist shareholders both in calculating expenses based on an investment in the Fund and in comparing these expenses with similar costs of investing in other mutual funds.

The first table below provides information about actual account values and actual expenses. In order to estimate the expenses a shareholder paid during the period covered by this report, shareholders can divide their account value by \$1,000 and then multiply the result by the number in the first line under the heading entitled "Expenses Paid During the Period."

The second table below provides information about hypothetical account values and hypothetical expenses based on the Fund's actual expense ratio and an assumed rate of return of 5% per year before expenses. In order to assist shareholders in comparing the ongoing expenses of investing in this Fund and other funds, compare the 5% hypothetical example with the 5% hypothetical examples that appear in other funds' shareholder reports.

The expenses shown in the table are intended to highlight shareholders ongoing costs only and do not reflect any transactional expenses, such as sales charges, redemption fees or exchange fees. Therefore, the second table is useful in comparing ongoing expenses only, and will not help shareholders determine the relative total expenses of owning different funds. If these transactional expenses were included, shareholder expenses would have been higher.

<TABLE>
<CAPTION>

Expenses Paid

	Beginning Account Value September 1, 2004 <C>	Ending Account Value February 28, 2005 <C>	During the Period* September 1, 2004 to February 28, 2005 <C>
<S> Actual			
Merrill Lynch Senior Floating Rate Fund, Inc.	\$1,000	\$1,031.30	\$7.25
Hypothetical (5% annual return before expenses)**			
Merrill Lynch Senior Floating Rate Fund, Inc.	\$1,000	\$1,017.65	\$7.20

* Expenses are equal to the annualized expense ratio of 1.44%, multiplied by the average account value over the period, multiplied by 181/365 (to reflect the one-half year period shown). Because the Fund is a feeder fund, the expense table example reflects the expenses of both the feeder fund and the master fund in which it invests.

** Hypothetical 5% annual return before expenses is calculated by pro-rating the number of days in the most recent fiscal half-year divided by 365.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Statement of Assets and Liabilities		Merrill Lynch Senior Floating Rate Fund, Inc.	
As of February 28, 2005			
<S>	<S>	<C>	<C>
Assets			
	Investment in Master Senior Floating Rate Trust (the "Trust"), at value (identified cost--\$753,468,511)		\$ 722,829,384
	Prepaid expenses		283,837
	Total assets		723,113,221
Liabilities			
	Payables:		
	Dividends to shareholders	\$ 487,131	
	Other affiliates	149,250	
	Administrator	108,312	744,693
	Accrued expenses and other liabilities		123,054
	Total liabilities		867,747
Net Assets			
	Net assets		\$ 722,245,474
Net Assets Consist of			
	Common Stock, par value \$.10 per share; 1,000,000,000 shares authorized		\$ 8,004,630
	Paid-in capital in excess of par		1,079,864,974
	Undistributed investment income--net	\$ 236,875	
	Accumulated realized capital losses allocated from the Trust--net	(335,221,878)	
	Unrealized depreciation allocated from the Trust--net	(30,639,127)	
	Total accumulated losses--net		(365,624,130)
	Net Assets--Equivalent to \$9.02 per share based on 80,046,300 shares of capital stock outstanding		\$ 722,245,474
See Notes to Financial Statements.			

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>

For the Six Months Ended February 28, 2005

<S>	<S>	<C>	<C>
Investment Income Allocated from the Trust--Net			
Net investment income allocated from the Trust:			
Interest (including \$774,290 from affiliates)		\$	18,336,305
Facility and other fees			356,286
Expenses			(3,699,680)

Net investment income allocated from the Trust			14,992,911

Expenses			
Administration fees		\$	903,258
Transfer agent fees			327,184
Tender offer fees			165,392
Printing and shareholder reports			34,699
Registration fees			32,767
Professional fees			18,124
Other			9,041

Total expenses			1,490,465

Investment income--net			13,502,446

Realized & Unrealized Gain Allocated from the Trust--Net			
Realized gain allocated from the Trust--net			464,803
Change in unrealized appreciation (depreciation) allocated from the Trust--net			9,055,143

Total realized and unrealized gain allocated from the Trust--net			9,519,946

Net Increase in Net Assets Resulting from Operations			\$ 23,022,392
			=====

See Notes to Financial Statements.

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>

Statements of Changes in Net Assets
<CAPTION>

Merrill Lynch Senior Floating Rate Fund, Inc.

		For the Six Months Ended February 28, 2005	For the Year Ended August 31, 2004
<S>	<S>	<C>	<C>
Increase (Decrease) in Net Assets:			
Operations			
Investment income--net		\$ 13,502,446	\$ 26,185,996
Realized gain (loss) allocated from the Trust--net		464,803	(64,296,777)
Change in unrealized appreciation (depreciation) allocated from the Trust--net		9,055,143	109,360,252
		-----	-----
Net increase in net assets resulting from operations		23,022,392	71,249,471
		-----	-----
Dividends to Shareholders			
Investment income--net		(13,502,440)	(26,185,993)
		-----	-----
Net decrease in net assets resulting from dividends to shareholders		(13,502,440)	(26,185,993)
		-----	-----
Capital Share Transactions			
Net decrease in net assets derived from capital share transactions		(44,069,223)	(86,588,414)
		-----	-----
Net Assets			
Total decrease in net assets		(34,549,271)	(41,524,936)

Beginning of period	756,794,745	798,319,681
End of period*	\$ 722,245,474	\$ 756,794,745
* Undistributed investment income--net	\$ 236,875	\$ 236,869

See Notes to Financial Statements.

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>
Financial Highlights
<CAPTION>

Merrill Lynch Senior Floating Rate Fund, Inc.

The following per share data and ratios have been derived from information provided in the financial statements.	For the Six Months Ended February 28,		For the Year Ended August 31,		
	2005	2004	2003++++	2002	2001
<S>	<C>	<C>	<C>	<C>	<C>
Per Share Operating Performance					
Net asset value, beginning of period	\$ 8.91	\$ 8.40	\$ 8.05	\$ 8.82	\$ 9.45
Investment income--net	.17***	.30***	.38	.43	.79
Realized and unrealized gain (loss) allocated from the Trust--net	.11	.51	.36	(.77)	(.62)
Total from investment operations	.28	.81	.74	(.34)	.17
Less dividends from investment income--net	(.17)	(.30)	(.39)	(.43)	(.80)
Net asset value, end of period	\$ 9.02	\$ 8.91	\$ 8.40	\$ 8.05	\$ 8.82
Total Investment Return**					
Based on net asset value per share	3.13%+++	9.73%	9.61%	(4.09%)	1.52%
Ratios to Average Net Assets					
Expenses, excluding interest expense++	1.44%*	1.44%	1.45%	1.41%	1.36%
Expenses++	1.44%*	1.44%	1.46%	1.41%	1.36%
Investment income--net	3.74%*	3.41%	4.81%	5.07%	8.39%
Leverage					
Average amount of borrowings during the period (in thousands)	--	--	\$ 8,138++++	\$ 3,374	--
Average amount of borrowings per share during the period	--	--	\$.07++++	\$.02	--
Supplemental Data					
Net assets, end of period (in thousands)	\$ 722,245	\$ 756,795	\$ 798,320	\$ 1,063,983	\$ 1,778,295
Portfolio turnover	25.40%++++++	76.45%++++++	56.56%++++++	89.46%	50.82%

* Annualized.

** Total investment returns exclude the early withdrawal charge, if any. The Fund is a continuously offered closed-end fund, the shares of which are offered at net asset value. No secondary market for the Fund's shares exists.

*** Based on average shares outstanding.

++ Includes the Fund's share of the Trust's allocated expenses.

++++ Reflects the average amount of borrowings of the Fund prior to the Fund's conversion from a stand-alone investment company to a "feeder" fund on February 10, 2003.

+++ Aggregate total investment return.

+++++ On February 10, 2003, the Fund converted from a stand-alone investment company to a "feeder" fund that seeks to achieve its investment objective by investing all of its assets in the Trust, which has the same investment objective as the Fund. All investments are made at the Trust level. This structure is sometimes called a "master/feeder" structure.

+++++++ Portfolio turnover for the Trust.

See Notes to Financial Statements.

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Notes to Financial Statements

Merrill Lynch Senior Floating Rate Fund, Inc.

1. Significant Accounting Policies:

Merrill Lynch Senior Floating Rate Fund, Inc. (the "Fund") is registered under the Investment Company Act of 1940, as amended, as a continuously offered, non-diversified, closed-end management investment company. The Fund seeks to achieve its investment objective by investing all of its assets in the Master Senior Floating Rate Trust (the "Trust"), which has the same investment objective and strategies as the Fund. The value of the Fund's investment in the Trust reflects the Fund's proportionate interest in the net assets of the Trust. The performance of the Fund is directly affected by the performance of the Trust. The financial statements of the Trust, including the Schedule of Investments, are included elsewhere in this report and should be read in conjunction with the Fund's financial statements. The Fund's financial statements are prepared in conformity with U.S. generally accepted accounting principles, 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 present a fair statement of the results for the interim period. All such adjustments are of a normal, recurring nature. The percentage of the Trust owned by the Fund at February 28, 2005 was 68.0%. The following is a summary of significant accounting policies followed by the Fund.

(a) Valuation of investments--The Fund records its investment in the Trust at fair value. Valuation of securities held by the Trust is discussed in Note 1b of the Trust's Notes to Financial Statements, which are included elsewhere in this report.

(b) Investment income and expenses--The Fund records daily its proportionate share of the Trust's income, expenses and realized and unrealized gains and losses. In addition, the Fund accrues its own expenses.

(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 shareholders. Therefore, no federal income tax provision is required.

(d) Prepaid registration fees--Prepaid registration fees are charged to expense as the related shares are issued.

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

(f) Investment transactions--Investment transactions in the Trust are accounted for on a trade date basis.

2. Transactions with Affiliates:

The Fund has entered into an Administration 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. The Fund pays a monthly fee at an annual rate of .25% of the Fund's average daily net assets for the performance of administrative services (other than investment advice and related portfolio activities) necessary for the operation of the Fund.

Financial Data Services, Inc. ("FDS"), a wholly-owned subsidiary of ML & Co., is the Fund's transfer agent.

For the six months ended February 28, 2005, FAM Distributors, Inc. ("FAMD"), a wholly-owned subsidiary of Merrill Lynch Group, Inc., earned early withdrawal charges of \$47,387 relating to the tender of the Fund's shares.

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

3. Capital Share Transactions:

Transactions in capital shares were as follows:

For the Six Months Ended February 28, 2005	Shares	Dollar Amount
Shares sold	2,396,674	\$ 21,490,518
Shares issued to shareholders in reinvestment of dividends	720,287	6,466,811
	-----	-----
Total issued	3,116,961	27,957,329
Shares tendered	(8,046,496)	(72,026,552)
	-----	-----
Net decrease	(4,929,535)	\$ (44,069,223)
	=====	=====

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Notes to Financial Statements (concluded)
Merrill Lynch Senior Floating Rate Fund, Inc.

For the Year Ended August 31, 2004	Shares	Dollar Amount
Shares sold	7,763,845	\$ 68,254,923
Shares issued to shareholders in reinvestment of dividends	1,421,989	12,467,518
	-----	-----
Total issued	9,185,834	80,722,441
Shares tendered	(19,207,557)	(167,310,855)
	-----	-----
Net decrease	(10,021,723)	\$ (86,588,414)
	=====	=====

4. Capital Loss Carryforward:

On August 31, 2004, the Fund had a net capital loss carryforward of \$279,684,820, of which \$3,278,446 expires in 2005; \$4,468,275 expires in 2006; \$3,365,959 expires in 2007; \$28,290,011 expires in 2008; \$64,746,799 expires in 2009; \$87,904,309 expires in 2010; \$53,409,203 expires in 2011 and \$34,221,818 expires in 2012. This amount will be available to offset like amounts of any future taxable gains.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>			
Schedule of Investments		Master Senior Floating Rate Trust	(in U.S. dollars)
<CAPTION>			
Industry++	Face Amount	Senior Secured Floating Rate Loan Interests*	Value

<S>	<C>	<S>	<C>
Aerospace & Defense--2.0%	\$2,028,711 3,713,646 2,076,923 4,974,490 6,300,000 1,200,000	KF Industries, Inc., Term Loan: due 11/18/2012 due 11/18/2013 Standard Aero Holdings Term Loan, due 8/24/2012 Titan Corp. Term Loan B, due 6/30/2009 Vought Aircraft Industries, Inc: Term Loan, due 12/22/2011 Tranche B L/C Deposit, due 12/22/2010	\$ 2,065,270 3,780,569 2,110,025 5,045,222 6,398,438 1,219,500 ----- 20,619,024
Automotive--2.6%	3,980,000 5,044,255 5,475,234 762,186 4,250,000 3,500,000 2,215,862 1,111,035 1,546,667	Grand Vehicle, First Lien Term Loan, due 7/23/2010 Metaldyne Corp. Term Loan D, due 12/31/2009 NFIL Holdings Corp.: Term Loan, due 3/31/2010 Term Loan B, due 2/27/2010 TRW Automotive Inc.: Term Loan B, due 6/30/2012 Term Loan E, due 11/02/2010 Tenneco Automotive, Inc.: Term Loan B, due 12/12/2010 Tranche B-1 Credit Linked, due 12/12/2010 United Components, Inc. Term Loan C, due 6/30/2010	3,860,600 5,093,436 5,560,785 774,095 4,275,678 3,524,063 2,259,255 1,132,792 1,570,833 ----- 28,051,537
Broadcasting--2.9%	1,704,643 2,643,857 1,995,000 6,982,500 6,500,000 5,000,000 700,000 1,050,000 4,000,000	Cumulus Media Inc.: Term Loan A, due 3/28/2009 Term Loan E, due 3/28/2010 Term Loan F, due 3/28/2010 Emmis Operating Company Term Loan B, due 11/10/2011 Entravision Communications Corp. Term Loan B, due 2/24/2012 Raycom Media, Inc. Term Loan B, due 3/22/2012 Sinclair Television Group: Term Loan A, due 6/30/2009 Term Loan C, due 12/31/2009 Susquehanna Media Co. Term Loan B, due 3/31/2012	1,724,354 2,684,617 2,006,637 7,081,240 6,600,210 5,062,500 703,282 1,059,844 4,068,752 ----- 30,991,436
Cable-- U.S.--18.0%	50,000,000 41,790,000 3,582,057 15,668,000 9,975,000 4,240,451 4,250,418 3,960,000 5,445,000 6,125,000 3,200,000 23,500,000 16,871,988 1,990,000	Century Cable Holdings LLC Term Loan, due 6/30/2009 Charter Communications Operating LLC Tranche B Term Loan, due 4/07/2011 Frontiervision Operating Partners LP: Term Loan A, due 9/30/2005 Term Loan B, due 3/31/2006 Hilton Head/UCA Inc. Term Loan B, due 3/31/2008 Inmarsat Facility: Term Loan B, due 1/08/2011 Term Loan C, due 1/08/2012 Insight Midwest Holdings, LLC: Term Loan, due 12/31/2009 Term Loan B, due 12/31/2009 Mediacom Broadband Group Tranche A Term Loan, due 3/31/2010 Mediacom Communications, LLC Tranche B Term Loan, due 3/31/2013 Olympus Cable Holdings, LLC Term Loan B, due 9/30/2010 PanAmSat Corp. Tranche B Term Loan, due 8/20/2011 Persona Cable Term Loan B, due 3/31/2011	49,835,146 41,985,034 3,605,566 15,770,829 9,847,819 4,263,167 4,288,217 4,033,323 5,547,094 6,098,203 3,243,715 23,404,543 17,158,322 2,013,010 ----- 191,093,988
Chemicals--6.8%	9,753,963 7,182,700 10,000,000 19,139,617 3,364,412 1,517,941	CII Carbon, LLC Term Loan, due 6/25/2008 Cedar Chemical Corp., Term Loan B, due 10/31/2003 (d) Cognis Deutschland GmbH & Co. KG Term Loan B, due 11/15/2013 Huntsman International LLC Term Loan B, due 12/31/2010 Invista B.V. Term Loan: New Tranche B-1, due 4/29/2011 New Tranche B-2, due 4/29/2011	9,662,520 395,048 10,437,500 19,508,054 3,421,186 1,543,556

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>	Schedule of Investments (continued)		Master Senior Floating Rate Trust	(in U.S. dollars)
<CAPTION>	Face Amount	Senior Secured Floating Rate Loan Interests*		Value
<S>	<C>	<S>		<C>

Chemicals	\$ 737,064	Kraton Polymers Term Loan, due 12/16/2010	\$ 749,655
(concluded)	1,492,500	Lyondell-Citgo Refining Term Loan, due 5/21/2007	1,509,291
	5,160,610	Nalco Co. Tranche B Term Loan, due 11/04/2010	5,263,105
	2,001,190	Pinnacle Polymers (Epsilon Products) Term Loan, due 12/15/2006	2,031,008
	1,876,667	Polymer Group, Inc. First Lien Term Loan, due 4/27/2010	1,903,644
	4,000,000	Rockwood Specialties Group, Inc. Tranche D Term Loan, due 12/10/2012	4,068,572
		Wellman, Inc.:	
	4,000,000	First Lien Term Loan, due 2/10/2009	4,066,668
	7,000,000	Second Lien Term Loan, due 2/10/2010	7,376,250

			71,936,057
Consumer	2,796,245	American Achievement Corp. Term Loan B, due 3/22/2011	2,841,684
Non-Durables--1.2%	3,000,000	Camelbak Products, LLC First Lien Term Loan, due 8/04/2011	3,035,625
	1,990,000	Holmes Group, Inc. Term Loan, due 11/08/2010	2,012,387
	4,850,000	Josten's Inc. Term Loan B, due 10/04/2011	4,929,821

			12,819,517
Diversified	4,000,000	Advertising Directory Solutions Holdings, Inc. Second Lien	
Media--3.2%		Term Loan, due 10/01/2011	4,058,332
	3,243,881	Dex Media West Inc. Term Loan B, due 3/09/2010	3,293,091
	4,000,000	Freedom Communications, Inc. Term Loan B, due 5/18/2012	4,066,500
	2,985,000	MediaNews Group, Inc. Term Loan C, due 12/15/2010	3,006,767
	9,476,250	Metro-Goldwyn-Mayer Studios Inc. Term Loan B, due 4/30/2011	9,501,419
	1,898,970	PRIMEDIA Inc. Term Loan B, due 6/30/2009	1,901,047
	2,185,006	RH Donnelley Tranche D Term Loan, due 8/30/2011	2,220,637
	3,153,204	Six Flags Entertainment Corp. Term Loan B, due 6/30/2009	3,208,385
	942,857	Yankee Holdings Term Loan, due 5/01/2007	959,946
	2,057,143	Yankee-Nets LLC Term Loan, due 5/01/2007	2,094,429

			34,310,553
Energy--1.4%	574,430	Dresser, Inc. Term Loan C, due 4/10/2009	581,970
	5,000,000	Ocean Rig Norway AS Term Loan, due 6/01/2008	5,000,000
	6,260,625	Pride Offshore Inc. Term Loan, due 7/07/2011	6,372,797
	2,412,500	Tesoro Petroleum Corp. Term Loan, due 4/15/2008	2,471,305

			14,426,072
Energy--Exploration	1,970,100	Williams Production RMT Company Term Loan, due 5/31/2007	2,002,936
& Production--0.2%			
Food & Drug--0.4%	3,628,986	Pantry, Inc. Term Loan B, due 3/12/2011	3,691,361
Food &	876,629	American Seafood Term Loan B, due 3/31/2009	889,778
Tobacco--2.0%	1,500,000	Del Monte Term Loan B, due 2/08/2012	1,519,875
	6,733,125	Doane Pet Care Enterprises, Inc. Term Loan, due 11/05/2009	6,855,163
	3,105,601	Domino's Pizza Term Loan, due 6/25/2010	3,156,713
	5,675,522	Dr. Pepper/Seven Up Bottling Group, Inc. Tranche B Term Loan, due 12/19/2010	5,783,357
	3,338,848	Merisant Company Term Loan B, due 3/31/2007	3,345,108

			21,549,994
Gaming--2.0%	5,079,064	Ameristar Casinos Inc. Term Loan B, due 12/31/2006	5,163,717
	3,980,000	Boyd Gaming Corp. Term Loan, due 6/30/2011	4,037,212
	2,105,048	Global Cash Access LLC Term Loan B, due 3/10/2010	2,120,836
	4,000,000	Marina District Finance Co., Inc. Term Loan, due 10/20/2011	4,045,000
	5,300,000	Pinnacle Entertainment, Inc. Term Loan, due 8/27/2010	5,379,500

			20,746,265
Health Care--3.4%	775,970	Advanced Medical Term Loan, due 6/26/2009	784,943
	4,987,500	Ardent Health Services, Inc. Term Loan, due 6/28/2011	5,057,639
	1,995,000	Community Health Systems, Inc. Term Loan, due 8/19/2011	2,020,093
	6,394,949	Davita Term Loan B, due 3/31/2009	6,418,931
	2,016,250	Kinetic Concepts, Inc. Term Loan B, due 8/11/2010	2,036,412
		Medical Specialties (d):	
	12,845,455	Axel, due 6/30/2004	3,211,364
	4,418,182	Term Loan, due 9/23/2003	1,104,545

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>
Schedule of Investments (continued) Master Senior Floating Rate Trust (in U.S. dollars)
<CAPTION>

Industry++ <S>	Face Amount <C>	Senior Secured Floating Rate Loan Interests* <S>	Value <C>
Health Care (concluded)	\$ 4,165,946 1,744,318 427,912 7,980,000 1,000,000	Medpointe Capital Partners, LLC Tranche B Term Loan, due 9/30/2008 Orthofix International NV Term Loan B, due 12/15/2008 Rotech Healthcare, Inc. Term Loan B, due 3/31/2008 Vanguard Health Systems, Inc. Term Loan, due 9/30/2010 Vanguard Health Tl Ba Pr, due 9/30/2010	\$ 4,186,776 1,769,393 433,172 8,142,098 1,014,375 ----- 36,179,741
Housing--3.6%	6,820,379 9,650,000 3,250,000 6,222,656 1,972,841 5,119,583 4,975,000	General Growth Properties, Inc., Term Loan: Tranche A, due 11/12/2007 Tranche B, due 11/12/2008 Goodman Global Holdings Term Loan, due 12/23/2011 Headwaters, Inc. Term Loan B, due 4/30/2011 Juno Lighting, Inc. First Lien Term Loan, due 11/21/2010 Lake at Las Vegas Joint Venture First Lien Term Loan, due 11/01/2009 Nortek, Inc. Term Loan, due 8/27/2011	6,889,360 9,811,744 3,308,906 6,313,401 2,012,298 5,198,512 5,067,246 ----- 38,601,467
Information Technology--0.5%	5,118,850	VUTEK Inc. Term Loan, due 6/25/2010	5,144,444
Leisure--2.7%	3,710,455 13,963,968 10,996,133	True Temper Sports, Inc. Term Loan B, due 3/15/2011 Wyndham International, Inc.: Term Loan I, due 6/30/2006 Term Loan II, due 4/01/2006	3,696,540 14,043,968 11,044,241 ----- 28,784,749
Manufacturing--4.2%	7,517,441 1,950,000 128,199 2,309,504 5,771,246 4,375,000 3,954,314 2,000,000 2,190,405 11,150,459 1,316,854 3,451,952	Amsted Industries, Inc. Term Loan B-1, due 10/15/2010 Bucyrus International, Inc. Term Loan, due 7/01/2010 ChannelMaster Holdings, Inc. (d): Revolving Credit, due 11/15/2004 Term Loan, due 11/15/2004 EaglePicher Holdings, Inc. Tranche B Term Loan, due 8/07/2009 High Voltage Engineering Corp. Term Loan A, due 7/31/2006 Invensys International Holdings Ltd.: First Lien Term Loan, due 9/04/2009 Second Lien Term Loan, due 12/04/2009 Itron, Inc. Tranche B, due 12/17/2010 Mueller Group, Inc. Initial Term Loan, due 4/23/2011 SPX Corp. Term Loan B, due 9/30/2009 Trimas Corporation Term Loan B, due 12/31/2009	7,665,445 1,989,000 24,358 438,806 5,761,625 4,353,125 4,025,986 2,058,750 2,214,134 11,282,870 1,325,414 3,508,046 ----- 44,647,559
Packaging--2.2%	1,736,000 11,000,000 4,841,371 750,000 404,959 4,104,433	BWAY Corporation Term Loan B, due 6/30/2011 Graham Packaging Co. LP Term Loan B, due 10/07/2011 Owens-Illinois Group Inc.: French Tranche C-1 Term Loan, due 4/01/2008 Term Loan A, due 4/01/2007 Term Loan B, due 4/01/2008 Tekni-Plex, Inc. Term Loan B, due 6/21/2008	1,764,210 11,214,500 4,932,147 763,219 412,501 4,160,869 ----- 23,247,446
Paper--1.2%	3,054,012 3,422,057 2,008,590 3,434,608 1,056,802	Boise Cascade Holdings, LLC Tranche B Term Loan, due 10/28/2011 Graphic Packaging Term Loan B, due 8/08/2010 Smurfit Stone Container Corp.: Deposit Account, due 11/01/2010 Tranche B, due 11/01/2011 Tranche C, due 11/01/2011	3,113,757 3,486,648 2,044,369 3,493,281 1,075,032 ----- 13,213,087

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Industry++ <S>	Face Amount <C>	Senior Secured Floating Rate Loan Interests* <S>	Value <C>
Retail--1.1%	\$ 1,670,000	Advanced Stores Delay Draw Term Loan, due 9/30/2010	\$ 1,695,573

	2,450,000	American Reprographics Co. LLC Second Lien Term Loan, due 12/18/2009	2,609,250
	4,000,000	Dollarama Group Term Loan B, due 11/18/2011	4,066,252
	3,732,339	General Nutrition Centers, Inc. Tranche B Term Loan, due 12/05/2009	3,788,324

			12,159,399
Services--3.9%	2,400,000	Alliance Laundry Systems Term Loan, due 1/27/2012	2,431,001
	10,300,212	Allied Waste North America, Inc. Term Loan: due 1/15/2010	10,335,624
	3,535,714	Tranche D, due 1/15/2010	3,545,660
	5,940,150	Buhrmann US, Inc. Term Loan C-1 Facility, due 12/23/2010	6,070,091
	3,929,243	Corrections Corp. of America Term Loan C, due 3/31/2008	3,995,549
	6,106,136	Great Lakes Term Loan, due 12/23/2010	6,106,136
	7,682,418	Prime Succession Inc. Term Loan, due 8/01/2003 (d)	1
	5,254,236	URS Corp. Term Loan B, due 7/01/2008	5,285,436
	3,308,333	United Rentals, Inc.: Term Loan, due 2/14/2011	3,368,297
	666,667	Tranche B, Credit-Linked Deposit, due 2/14/2011	677,292

			41,815,087
Steel--0.0%	9,920,779	Acme Metals, Inc. Term Loan, due 12/01/2005 (d)	1
Telecommunications-- 2.1%	2,000,000	Alaska Communications Systems Holdings, Inc. Term Loan, due 2/01/2012	2,021,562
	8,046,000	Consolidated Communications, Inc. Term Loan C, due 10/14/2011	8,126,460
	8,976,316	WillTel Communications, LLC: First Lien Term Loan, due 6/30/2011	8,892,163
	3,500,000	Second Lien Term Loan, due 12/31/2010	3,327,188

			22,367,373
Transportation--0.5%	5,194,118	Sirva Worldwide Tranche B Term Loan, due 12/01/2010	5,135,684
Utilities--8.0%	2,000,000	The AES Corp. Term Loan, due 4/30/2008	2,046,250
	6,895,000	Calpine Corp. Second Lien Term Loan, due 7/15/2007	6,169,591
	4,875,000	Calpine Generating Co. LLC Term Loan: First Priority, due 4/01/2009	5,007,030
	8,125,000	Second Priority, due 3/11/2010	7,964,531
	11,910,000	Cogentrix Delaware Holdings, Inc. Term Loan, due 2/25/2009	11,939,775
	5,771,000	Dynegy Holdings Inc. Term Loan, due 5/27/2010	5,879,206
	3,937,500	El Paso Corp.: Deposit Account, due 11/23/2009	4,005,485
	6,536,250	Term Loan, due 11/23/2009	6,658,805
	9,975,000	KGEN Term Loan, due 6/17/2011	10,099,687
	1,050,000	NRG Energy: Credit Linked Deposit, due 12/24/2007	1,065,094
	1,350,000	Term Loan, due 12/24/2011	1,369,912
	6,700,000	Reliant Energy, Inc. Term Loan, due 4/30/2010	6,810,671
	2,364,000	TNP Enterprises, Inc. Term Loan, due 12/31/2006	2,396,505
	9,907,692	Texas Genco Initial Term Loan, due 12/14/2011	10,077,639
	3,500,000	Tucson Electric Power Company Term Loan, due 6/30/2009	3,536,460

			85,026,641
Wireless Communications-- 3.4%	3,000,000	American Towers Term Loan B, due 8/31/2011	3,043,827
	4,257,000	Centennial Cellular Operating Co. Term Loan, due 2/09/2011	4,331,498
	4,500,000	Nextel Partners Operating Corp. Tranche C Term Loan, due 5/31/2011	4,567,900
	12,641,487	SBA Senior Finance, Inc. Tranche C Term Loan, due 10/31/2008	12,841,640
	11,500,000	SpectraSite Communications Term Loan B, due 5/01/2012	11,628,179

			36,413,044
		Total Investments in Senior Secured Floating Rate Loan Interests (Cost--\$873,063,958)--79.5%	844,974,462

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>		Master Senior Floating Rate Trust		(in U.S. dollars)
<CAPTION>				
Industry++	Face Amount	Corporate Debt		Value
<S>	<C>	<S>		<C>
Broadcasting--0.6%	\$6,000,000	Paxson Communications Corp., 5.41% due 1/15/2010 (a) (b)	\$	6,135,000
	250,000	XM Satellite Radio, Inc., 8.243% due 5/01/2009 (a)		257,188

			6,392,188
Cable--U.S.--0.1%	500,000	Intelsat Bermuda Ltd., 7.794% due 1/15/2012 (a) (b)	513,750
Chemicals--1.0%	1,100,000	Crompton Corp., 8.71% due 8/01/2010 (a)	1,193,500
	6,525,000	GEO Speciality Chemicals, Inc., 11.064% due 12/31/2009 (h)	6,965,438
	1,662,678	PCI Chemicals Canada, Inc., 10% due 12/31/2008	1,779,065
	269,797	Pioneer Cos., Inc., 6.05% due 12/31/2006 (a)	284,636

			10,222,639
Diversified Media--0.0%	250,000	Universal City Florida Holding Co. I/II, 7.493% due 5/01/2010 (a) (b)	261,875
Food & Drug--0.0%	250,000	Duane Reade Inc., 7.51% due 12/15/2010 (a) (b)	250,000
Leisure--0.9%	9,200,000	Felcor Lodging LP, 6.874% due 6/01/2011 (a)	9,763,500
Paper--0.0%	250,000	Boise Cascade LLC, 5.535% due 10/15/2012 (a) (b)	258,125
Telecommunications--1.6%	9,500,000	Qwest Communications International, 6.294% due 2/15/2009 (a) (b)	9,690,000
	7,000,000	Time Warner Telecom Holdings, Inc., 6.794% due 2/15/2011 (a)	7,262,500

			16,952,500
Wireless Communications--0.0%	250,000	Rogers Wireless Communications, Inc., 6.135% due 12/15/2010 (a)	263,750
		Total Investments in Corporate Debt (Cost--\$47,435,294)--4.2%	44,878,327

<CAPTION>

	Shares Held	Common Stocks	
<S>	<C>	<S>	<C>
Chemicals--0.1%	39,151	GEO Specialty Chemicals, Inc. (g)	587,265
	22,595	Pioneer Cos., Inc. (g)	601,479

			1,188,744
Consumer Non-Durables--0.0%	6,306	Holmes Products Corporation (g)	0
Metals & Mining--0.0%	51,714	Acme Package Corp. Senior Holdings (g)	142,214
Services--0.1%	44,744	The Shaw Group, Inc. (g)	930,675
		Total Investments in Common Stocks (Cost--\$641,868)--0.2%	2,261,633

<CAPTION>

<S>	<C>	Warrants (c)	<C>
Paper--0.0%	57	Cellu Tissue Holdings, Inc. Series A (expires 9/28/2011)	0
		Total Investments in Warrants (Cost--\$1)--0.0%	0

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>

Schedule of Investments (concluded)		Master Senior Floating Rate Trust	(in U.S. dollars)
<CAPTION>			
Industry++	Beneficial Interest	Other Interests (e)	Value
<S>	<C>	<S>	<C>
Health Care--0.0%	\$ 14,398	MEDIQ Incorporated (Preferred Stock Escrow due 2/01/2006)	\$ 0
	17,263,637	Medical Specialties Acquisition LLC	0
	17,263,637	Medical Specialties Mezzanine LLC	0

			0
		Total Investments in Other Interests (Cost--\$0)--0.0%	0

<CAPTION>

	Face		
	Amount	Short-Term Securities	
<C>		<S>	<C>
\$152,752,954		Merrill Lynch Liquidity Series, LLC Cash Sweep Series I (f)	152,752,954
		Total Investments in Short-Term Securities	
		(Cost--\$152,752,954)--14.4%	152,752,954
Total Investments (Cost--\$1,073,894,075+++)--98.3%			1,044,867,376
Other Assets Less Liabilities--1.7%			17,706,502

Net Assets--100.0%			\$ 1,062,573,878
			=====

- (a) Floating rate note.
- (b) The security may be offered and sold to "qualified institutional buyers" under Rule 144A of the Securities Act of 1933.
- (c) Warrants entitle the Trust to purchase a predetermined number of shares of common stock and are non-income producing. The purchase price and number of shares are subject to adjustment under certain conditions until the expiration date.
- (d) Non-income producing security; issuer filed for bankruptcy or is in default of interest payments.
- (e) Other Interests represent beneficial interest in liquidation trusts and other reorganization entities and are non-income producing.
- (f) Investments in companies considered to be an affiliate of the Trust (such companies are defined as "Affiliated Companies" in Section 2(a)(3) of the Investment Company Act of 1940) were as follows:

Affiliate	Net Activity	Interest Income
Merrill Lynch Liquidity Series, LLC Cash Sweep Series I	\$(41,581,561)	\$1,107,171

- (g) Non-income producing security.
- (h) Convertible security.

* Senior secured floating rate loan interests in which the Trust invests generally pay interest at rates that are periodically redetermined by reference to a base lending rate plus a premium. These base lending rates are generally (i) the lending rate offered by one or more major European banks, such as LIBOR (London InterBank Offered Rate), (ii) the prime rate offered by one or more major U.S. banks or (iii) the certificate of deposit rate.

++ For Trust compliance purposes, "Industry" means any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Trust management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease.

+++ The cost and unrealized appreciation (depreciation) of investments as of February 28, 2005, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 1,074,023,067
	=====
Gross unrealized appreciation	\$ 13,592,985
Gross unrealized depreciation	(42,748,676)

Net unrealized depreciation	\$ (29,155,691)
	=====

See Notes to Financial Statements.

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>

Statement of Assets and Liabilities

Master Senior Floating Rate Trust

<CAPTION>

As of February 28, 2005

<S>	<S>	<C>	<C>
Assets			
Investments in unaffiliated securities, at value (identified cost--\$921,141,121)			\$ 892,114,422
Investments in affiliated securities, at value (identified cost--\$152,752,954)			152,752,954
Cash			4,447,460
Unfunded loan commitment			15,457
Receivables:			
Securities sold	\$	19,276,576	
Interest (including \$10,257 from affiliates)		5,855,446	
Contributions		1,802,109	
Commitment fees		93,959	
Principal paydowns		5,625	27,033,715

Prepaid expenses			14,503
Total assets			1,076,378,511

Liabilities

Payables:			
Securities purchased		8,056,493	
Investment adviser		605,084	
Other affiliates		9,150	8,670,727

Deferred income			3,031
Accrued expenses and other liabilities			5,130,875

Total liabilities			13,804,633

Net Assets

Net assets			\$ 1,062,573,878
			=====

Net Assets Consist of

Investors' capital			\$ 1,091,585,120
Unrealized depreciation--net			(29,011,242)

Net Assets			\$ 1,062,573,878
			=====

See Notes to Financial Statements.

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>

Statement of Operations Master Senior Floating Rate Trust
<CAPTION>

For the Six Months Ended February 28, 2005

<S>	<S>	<C>	<C>
Investment Income			
Interest (including \$1,107,171 from affiliates)			\$ 26,234,896
Facility and other fees			509,858

Total income			26,744,754

Expenses			
Investment advisory fees	\$	4,915,511	
Accounting services		181,233	
Professional fees		100,390	
Custodian fees		40,895	
Trustees' fees and expenses		26,723	
Pricing fees		5,747	
Printing and shareholder reports		1,320	
Other		15,105	

Total expenses		5,286,924
Investment income--net		21,457,830
Realized & Unrealized Gain--Net		
Realized gain on investments--net		696,962
Change in unrealized appreciation (depreciation) on:		
Investments--net	12,673,008	
Unfunded corporate loans--net	226,190	12,899,198
Total realized and unrealized gain--net		13,596,160
Net Increase in Net Assets Resulting from Operations		\$ 35,053,990
See Notes to Financial Statements.		

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Statements of Changes in Net Assets		Master Senior Floating Rate Trust	
<CAPTION>		For the Six Months Ended February 28, 2005	For the Year Ended August 31, 2004
Increase (Decrease) in Net Assets:	<S>	<C>	<C>
Operations			
Investment income--net		\$ 21,457,830	\$ 36,846,436
Realized gain (loss)--net		696,962	(66,942,419)
Change in unrealized appreciation (depreciation)--net		12,899,198	121,530,179
Net increase in net assets resulting from operations		35,053,990	91,434,196
Capital Transactions			
Proceeds from contributions		82,495,978	250,140,432
Fair value of withdrawals		(107,857,198)	(231,571,350)
Net increase (decrease) in net assets derived from capital transactions		(25,361,220)	18,569,082
Net Assets			
Total increase in net assets		9,692,770	110,003,278
Beginning of period		1,052,881,108	942,877,830
End of period		\$ 1,062,573,878	\$ 1,052,881,108
See Notes to Financial Statements.			

Statement of Cash Flows		Master Senior Floating Rate Trust	
<CAPTION>		For the Six Months Ended February 28, 2005	<C>
<S>	<S>	<C>	<C>
Cash Provided by Operating Activities			
Net increase in net assets resulting from operations			\$ 35,053,990
Adjustments to reconcile net increase in net assets resulting from operations to net cash provided by operating activities:			
Increase in receivables			(1,651,576)
Decrease in other assets			158,853
Increase in other liabilities			5,610,945
Realized and unrealized gain--net			(13,596,160)
Amortization of premium and discount			97,907
Proceeds from sales and paydowns of long-term securities			206,038,341

Purchases of long-term securities	(314,944,954)
Purchases of short-term investments	(461,693,253)
Proceeds from sales and maturities of short-investments	553,511,092

Net cash provided by operating activities	8,585,185

Cash Used for Financing Activities

Cash receipts on capital contributions	85,737,097
Cash payments on capital withdrawals	(107,857,198)

Net cash used for financing activities	(22,120,101)

Cash

Net decrease in cash	(13,534,916)
Cash at beginning of period	17,982,376

Cash at end of period	\$ 4,447,460
	=====

See Notes to Financial Statements.

</TABLE>

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

<TABLE>
Financial Highlights
<CAPTION>

Master Senior Floating Rate Trust

	For the Six Months Ended February 28, 2005	For the Year Ended August 31, 2004	For the Year Ended August 31, 2003	For the Year Ended August 31, 2002	For the Period October 6, 2000++ to August 31, 2001
<S>	<C>	<C>	<C>	<C>	<C>
The following ratios have been derived from from information provided in the financial statements.					
Total Investment Return**	3.34%+++	10.15%	11.07%	(4.66%)	--
	=====	=====	=====	=====	=====
Ratios to Average Net Assets					
Expenses, excluding interest expense	1.02%*	1.02%	1.04%	1.09%	1.06%*
	=====	=====	=====	=====	=====
Expenses	1.02%*	1.02%	1.05%	1.12%	1.06%*
	=====	=====	=====	=====	=====
Investment income--net	4.15%*	3.81%	4.80%	5.31%	7.92%*
	=====	=====	=====	=====	=====
Leverage					
Amount of borrowings outstanding, end of period (in thousands)	--	--	--	\$ 13,000	--
	=====	=====	=====	=====	=====
Average amount of borrowings outstanding during the period (in thousands)	--	--	\$ 3,187	\$ 3,959	--
	=====	=====	=====	=====	=====
Supplemental Data					
Net assets, end of period (in thousands)	\$1,062,574	\$1,052,881	\$ 942,878	\$ 182,205	\$ 376,931
	=====	=====	=====	=====	=====
Portfolio turnover	25.40%	76.45%	56.56%	36.77%	19.53%
	=====	=====	=====	=====	=====

* Annualized.

** Total investment return is required to be disclosed for fiscal years beginning after December 15, 2000.

++ Commencement of operations.

+++ Aggregate total investment return.

See Notes to Financial Statements.

</TABLE>

Notes to Financial Statements
Master Senior Floating Rate Trust

1. Significant Accounting Policies:

Master Senior Floating Rate Trust (the "Trust") is registered under the Investment Company Act of 1940, as amended, and is organized as a Delaware statutory trust. The Declaration of Trust permits the Trustees to issue nontransferable interests in the Trust, subject to certain limitations. The Trust's financial statements are prepared in conformity with U.S. generally accepted accounting principles, 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 present a fair statement of the results for the interim period. All such adjustments are of a normal, recurring nature. The following is a summary of significant accounting policies followed by the Trust.

(a) Loan participation interests--The Trust primarily invests in senior secured floating rate loan interests ("Loan Interests") with collateral having a market value, at the time of acquisition by the Trust, which Trust management believes equals or exceeds the principal amount of the Corporate Loan. The Trust may invest up to 20% of its total assets in loans made on an unsecured basis. Because agents, banks and intermediate participants from whom the Trust purchases the loan interest are primarily financial institutions, the Trust's investment in Corporate Loans at February 28, 2005 could be considered to be concentrated in the industry group consisting of financial institutions.

(b) Valuation of investments--Loan Interests are valued in accordance with guidelines established by the Board of Trustees. Loan Interests are valued at the mean between the last available bid and asked prices from one or more brokers or dealers as obtained from Loan Pricing Corporation. For the limited number of Loan Interests for which no reliable price quotes are available, such Loan Interests will be valued by Loan Pricing Corporation through the use of pricing matrixes to determine valuations. If the pricing service does not provide a value for the loan interests, the Investment Adviser will value the Loan Interests at fair value, which is intended to approximate market value.

Securities that are held by the Trust that are traded on stock exchanges or the Nasdaq National Market are valued at the last sale price or official close price on the exchange on which such securities are traded, as of the close of business on the day the securities are being valued or, lacking any sales, at the last available bid price for long positions, and at the last available ask price for short positions. In cases where securities are traded on more than one exchange, the securities are valued on the exchange designated as the primary market by or under the authority of the Board of Trustees of the Trust. Long positions in securities traded in the over-the-counter ("OTC") market, Nasdaq Small Cap or Bulletin Board are valued at the last available bid price or yield equivalent obtained from one or more dealers or pricing services approved by the Board of Trustees of the Trust. Short positions in securities traded in the OTC market are valued at the last available ask price. Portfolio securities that are traded both in the OTC market and on a stock exchange are valued according to the broadest and most representative market. When the Trust writes an option, the amount of the premium received is recorded on the books of the Trust as an asset and an equivalent liability. The amount of the liability is subsequently valued to reflect the current market value of the option written, based on the last sale price in the case of exchange-traded options or, in the case of options traded in the OTC market, the last ask price. Options purchased by the Trust are valued at their last sale price in the case of exchange-traded options or, in the case of options traded in the OTC market, the last bid price. The value of swaps, including interest rate swaps, caps and floors, will be determined by obtaining dealer quotations. Other investments, including futures contracts and related options, are stated at market value. Obligations with remaining maturities of 60 days or less are valued at amortized cost unless the Investment Adviser believes that this method no longer produces fair

valuations. Repurchase agreements will be valued at cost plus accrued interest. The Trust employs certain pricing services to provide securities prices for the Trust. 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 Trustees of the Trust, including valuations furnished by the pricing services retained by the Trust, which may use a matrix system for valuations. The procedures of a pricing service and its valuations are reviewed by the officers of the Trust under the general supervision of the Board of Trustees. Such valuations and procedures will be reviewed periodically by the Trustees.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Notes to Financial Statements (continued)
Master Senior Floating Rate Trust

Generally, trading in foreign securities, as well as U.S. government securities and money market instruments, is substantially completed each day at various times prior to the close of business on the New York Stock Exchange ("NYSE"). The values of such securities used in computing the net assets of the Trust are determined as of such times. Foreign currency exchange rates also are generally determined prior to the close of business on the NYSE. Occasionally, events affecting the values of such securities and such exchange rates may occur between the times at which they are determined and the close of business on the NYSE that may not be reflected in the computation of the Trust's net assets. If events (for example, a company announcement, market volatility or a natural disaster) occur during such periods that are expected to materially affect the value of such securities, those securities may be valued at their fair value as determined in good faith by the Board of Trustees or by the Investment Adviser using a pricing service and/or procedures approved by the Board of Trustees.

(c) Derivative financial instruments--The Trust may engage in various portfolio investment strategies both to increase the return of the Trust 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.

* Swaps--The Trust may enter into swap agreements, which are over-the-counter contracts in which the Trust and counterparty agree to make periodic net payments on a specified notional amount. The net payments can be made for a set period of time or may be triggered by a predetermined credit event. The net periodic payments may be based on a fixed or variable interest rate; the change in market value of a specified security, basket of securities, or index; or the return generated by a security. These periodic payments received or made by the Fund are recorded in the accompanying Statement of Operations as realized gains or losses, respectively. Gains or losses are also realized upon termination of the swap agreements. Swaps are marked-to-market daily based on dealer-supplied valuations and changes in value are recorded as unrealized appreciation (depreciation). Risks include changes in the returns of the underlying instruments, failure of the counterparties to perform under the contracts' terms and the possible lack of liquidity with respect to the swap agreements.

(d) Income taxes--The Trust is classified as a partnership for federal income tax purposes. As such, each investor in the Trust is treated as owner of its proportionate share of the net assets, income, expenses and realized and unrealized gains and losses of the Trust. Therefore, no federal income tax provision is required. It is intended that the Trust's assets will be managed so an investor in the Trust can satisfy the requirements of subchapter M of the Internal Revenue Code.

(e) Security transactions and investment income--Security transactions are 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 Trust amortizes

all premiums and discounts on debt securities.

(f) Securities lending--The Trust may lend securities to financial institutions that provide cash or securities issued or guaranteed by the U.S. government as collateral, which will be maintained at all times in an amount equal to at least 100% of the current market value of the loaned securities. The market value of the loaned securities is determined at the close of business of the Trust and any additional required collateral is delivered to the Trust on the next business day. Where the Trust receives securities as collateral for the loaned securities, it receives a fee from the borrower. The Trust typically receives the income on the loaned securities, but does not receive the income on the collateral. Where the Trust receives cash collateral, it may invest such collateral and retain the amount earned on such investment, net of any amount rebated to the borrower. Loans of securities are terminable at any time and the borrower, after notice, is required to return borrowed securities within five business days. The Trust may pay reasonable finder's, lending agent, administrative and custodial fees in connection with its loans. In the event that the borrower defaults on its obligation to return borrowed securities because of insolvency or for any other reason, the Trust could experience delays and costs in gaining access to the collateral. The Trust also could suffer a loss where the value of the collateral falls below the market value of the borrowed securities, in the event of borrower default or in the event of losses on investments made with cash collateral.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Notes to Financial Statements (concluded)
Master Senior Floating Rate Trust

2. Investment Advisory Agreement and Transactions with Affiliates: The Trust 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 Trust's portfolio and provides the necessary personnel, facilities, equipment and certain other services necessary to the operations of the Trust. For such services, the Trust pays a monthly fee at an annual rate of .95% of the average daily value of the Trust's net assets.

The Trust has received an exemptive order from the Securities and Exchange Commission permitting it to lend portfolio securities to Merrill Lynch, Pierce, Fenner & Smith Incorporated, an affiliate of FAM, or its affiliates. Pursuant to that order, the Trust also has retained Merrill Lynch Investment Managers, LLC ("MLIM, LLC"), an affiliate of FAM, as the securities lending agent for a fee based on a share of the returns on investment of cash collateral. MLIM, LLC may, on behalf of the Trust, invest cash collateral received by the Trust for such loans, among other things, in a private investment company managed by MLIM, LLC or in registered money market funds advised by FAM or its affiliates.

For the six months ended February 28, 2005, the Trust reimbursed FAM \$12,592 for certain accounting services.

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

3. Investments: Purchases and sales (including paydowns) of investments, excluding short-term securities, for the six months ended February 28, 2005 were \$311,153,670 and \$225,306,906, respectively.

4. Unfunded Loan Interests: As of February 28, 2005, the Trust had unfunded loan commitments of approximately \$31,102,000 which would be extended at the option of the borrower, pursuant to the following loan agreement:

Borrower	Unfunded Commitment (In Thousands)
Advanced Medical	\$1,000
Celanese Holdings TLC	\$1,916
Pinnacle Entertainment, Inc.	\$4,594
NFIL Holdings Corp.	\$5,000
Saguaro Utility Group	\$7,500
Texas Genco	\$4,092
Vanguard Health Systems, Inc.	\$1,000
Vought Aircraft Industries, Inc.	\$6,000

5. Short-Term Borrowings:

The Trust, along with certain other funds managed by FAM and its affiliates, is a party to a \$500,000,000 credit agreement with a group of lenders. The Trust may borrow under the credit agreement to fund shareholder redemptions and for other lawful purposes other than for leverage. The Trust may borrow up to the maximum amount allowable under the Trust's current prospectus and statement of additional information, subject to various other legal, regulatory or contractual limits. The Trust pays a commitment fee of .07% per annum based on the Trust's pro rata share of the unused portion of the credit agreement. Amounts borrowed under the credit agreement bear interest at a rate equal to, at each Trust's election, the federal funds rate plus .50% or a base rate as defined in the credit agreement. The Trust did not borrow under the credit agreement during the six months ended February 28, 2005. On November 26, 2004, the credit agreement was renewed for one year under substantially the same terms.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Portfolio Information
Master Senior Floating Rate Trust

As of February 28, 2005

Ten Largest Holdings	Percent of Net Assets
Century Cable Holdings LLC	4.7%
Charter Communications Operating LLC	4.0
Wyndham International, Inc.*	2.4
Olympus Cable Holdings, LLC	2.2
Huntsman International LLC	1.8
PanAmSat Corp. Tranche B	1.6
Frontiervision Operating Partners LP*	1.8
Allied Waste North America, Inc.*	1.3
SBA Senior Finance, Inc.	1.2
Calpine Generating Co. LLC*	1.2

*Includes combined holdings and/or affiliates, where applicable.

Five Largest Industries*	Percent of Net Assets
Cable--U.S.	18.1%
Chemicals	7.9
Utilities	8.0
Manufacturing	4.2
Health Care	3.4

* For Trust compliance purposes, "Industries" means any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Trust management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease.

Quality Ratings by S&P/Moody's	Percent of Total Investments
BBB/Baa	0.1%
BB/Ba	27.7
B/B	43.8
CCC/Caa	6.9
NR (Not Rated)	6.7
Other*	14.8

* Includes portfolio holdings in common stocks, warrants, other interests and short-term investments.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

Availability of Quarterly Schedule of Investments

The Fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission ("SEC") for the first and third quarters of each fiscal year on Form N-Q. The Fund's Forms N-Q are available on the SEC's Web site at <http://www.sec.gov>. The Fund's Forms N-Q may also be reviewed and copied at the SEC's Public Reference Room in Washington, DC. Information on the operation of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

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 Web site at <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.

MERRILL LYNCH SENIOR FLOATING RATE FUND, INC., FEBRUARY 28, 2005

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 - Portfolio Managers of Closed-End Management Investment Companies - Not Applicable to this semi-annual report

Item 9 - Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers - Not Applicable

Item 10 - Submission of Matters to a Vote of Security Holders - Not Applicable

Item 11 - Controls and Procedures

11(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.

11(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 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 12 - Exhibits attached hereto

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

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

12(a) (3) - Not Applicable

12(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.

Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust

By: /s/ Robert C. Doll, Jr.
Robert C. Doll, Jr.,
Chief Executive Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

Date: April 22, 2005

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/ Robert C. Doll, Jr.
Robert C. Doll, Jr.,
Chief Executive Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

Date: April 22, 2005

By: /s/ Donald C. Burke
Donald C. Burke,
Chief Financial Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

Date: April 22, 2005

CERTIFICATION PURSUANT TO SECTION 302
OF THE SARBANES-OXLEY ACT OF 2002

I, Robert C. Doll, Jr., Chief Executive Officer of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust, certify that:

1. I have reviewed this report on Form N-CSR of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, changes in net assets, and cash flows (if the financial statements are required to include a statement of cash flows) of the registrants as of, and for, the periods presented in this report;

4. The registrants' other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrants and have:

a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

c) evaluated the effectiveness of the registrants' disclosure

controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report based on such evaluation; and

d) disclosed in this report any change in the registrants' internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrants' internal control over financial reporting; and

5. The registrants' other certifying officer(s) and I have disclosed to the registrants' auditors and the audit committees of the registrants' boards of directors (or persons performing the equivalent functions):

a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and

b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrants' internal control over financial reporting.

Date: April 22, 2005

/s/ Robert C. Doll, Jr.
Robert C. Doll, Jr.,
Chief Executive Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

EX-99. CERT

CERTIFICATION PURSUANT TO SECTION 302
OF THE SARBANES-OXLEY ACT OF 2002

I, Donald C. Burke, Chief Financial Officer of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust, certify that:

1. I have reviewed this report on Form N-CSR of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, changes in net assets, and cash flows (if the financial statements are required to include a statement of cash flows) of the registrants as of, and for, the periods presented in this report;

4. The registrants' other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrants and have:

a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

c) evaluated the effectiveness of the registrants' disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report based on such evaluation; and

d) disclosed in this report any change in the registrants' internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrants' internal control over financial reporting; and

5. The registrants' other certifying officer(s) and I have disclosed to the registrants' auditors and the audit committees of the registrants' boards of directors (or persons performing the equivalent functions):

a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and

b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrants' internal control over financial reporting.

Date: April 22, 2005

/s/ Donald C. Burke
Donald C. Burke,
Chief Financial Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

Exhibit 99.1350CERT

Certification Pursuant to Section 906 of the Sarbanes Oxley Act

I, Robert C. Doll, Jr., Chief Executive Officer of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust (together, the "Fund"), certify that:

1. The N-CSR of the Fund (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Fund.

Dated: April 22, 2005

/s/ Robert C. Doll, Jr.
Robert C. Doll, Jr.,
Chief Executive Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust and will be retained by Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust and furnished to the Securities and Exchange Commission or its staff upon request.

Exhibit 99.1350CERT

Certification Pursuant to Section 906 of the Sarbanes Oxley Act

I, Donald C. Burke, Chief Financial Officer of Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust (together, the "Fund"), certify that:

1. The N-CSR of the Fund (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Fund.

Dated: April 22, 2005

/s/ Donald C. Burke
Donald C. Burke,
Chief Financial Officer of
Merrill Lynch Senior Floating Rate Fund, Inc. and
Master Senior Floating Rate Trust

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust and will be retained by Merrill Lynch Senior Floating Rate Fund, Inc. and Master Senior Floating Rate Trust and furnished to the Securities and Exchange

Commission or its staff upon request.