

SECURITIES AND EXCHANGE COMMISSION

FORM N-CSRS

Certified semi-annual shareholder report of registered management investment companies filed on
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 811-09229
811-10171

Name of Fund: Merrill Lynch Senior Floating Rate Fund II, 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 II,
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 II, 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 II, Inc. seeks to provide
shareholders with 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 to shareholders of Merrill Lynch Senior
Floating Rate Fund II, 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.

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 II, Inc.
Box 9011
Princeton, NJ
08543-9011

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Merrill Lynch Senior Floating Rate Fund II, 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 II, 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 II, 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 |

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 II, 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 II, Inc. had a net annualized yield of 3.80%, based on a period-end per share net asset value of \$9.80 and \$.185 per share income dividends. For the same period, the total investment return on the Fund's Common Stock was +3.18%, based on a change in per share net asset value from \$9.67 to \$9.80, 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 Chemical 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 II, 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, 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 II, 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>

| | Beginning | Ending | Expenses Paid |
|--|---------------|---------------|--------------------|
| | Account Value | Account Value | During the Period* |
| | | | September 1, 2004 |

| | September 1, 2004 | February 28, 2005 | to February 28, 2005 |
|---|----------------------|----------------------|-------------------------|
| <S> Actual | <C> | <C> | <C> |
| Merrill Lynch Senior Floating Rate Fund II, Inc. | \$1,000 | \$1,031.80 | \$7.86 |
| Hypothetical (5% annual return before expenses)** | | | |
| Merrill Lynch Senior Floating Rate Fund II, Inc. | \$1,000 | \$1,017.06 | \$7.80 |

* Expenses are equal to the annualized expense ratio of 1.56%, 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.

</TABLE>

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

<TABLE>
Statement of Assets and Liabilities
<CAPTION>

As of February 28, 2005

| <S> | <S> | <C> | <C> |
|--|-----|--------------|----------------|
| Assets | | | |
| Investment in Master Senior Floating Rate Trust (the "Trust"), at value (identified cost--\$338,116,609) | | | \$ 339,744,494 |
| Prepaid expenses | | | 113,020 |
| Total assets | | | 339,857,514 |
| Liabilities | | | |
| Payables: | | | |
| Dividends to shareholders | | \$ 218,894 | |
| Administrator | | 80,711 | |
| Other affiliates | | 41,640 | 341,245 |
| Accrued expenses and other liabilities | | | 28,267 |
| Total liabilities | | | 369,512 |
| Net Assets | | | |
| Net assets | | | \$ 339,488,002 |
| Net Assets Consist of | | | |
| Common Stock, par value \$.10 per share; 1,000,000,000 shares authorized | | | \$ 3,463,973 |
| Paid-in capital in excess of par | | | 364,490,911 |
| Accumulated distributions in excess of investment income--net | | \$ (248,095) | |
| Accumulated realized capital losses allocated from the Trust--net | | (29,846,672) | |
| Unrealized appreciation allocated from the Trust--net | | 1,627,885 | |
| Total accumulated losses--net | | | (28,466,882) |
| Net Assets--Equivalent to \$9.80 per share based on 34,639,731 shares of capital stock outstanding | | | \$ 339,488,002 |

See Notes to Financial Statements.

</TABLE>

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

<TABLE>
Statement of Operations
<CAPTION>

Merrill Lynch Senior Floating Rate Fund II, Inc.

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 \$332,881 from affiliates) | | \$ 7,898,591 |
| | Facility and other fees | | 153,572 |
| | Expenses | | (1,587,244) |
| | Net investment income allocated from the Trust | | 6,464,919 |
| Expenses | | | |
| | Administration fees | \$ 620,670 | |
| | Transfer agent fees | 83,462 | |
| | Tender offer fees | 56,254 | |
| | Registration fees | 29,178 | |
| | Printing and shareholder reports | 23,277 | |
| | Professional fees | 8,902 | |
| | Other | 4,981 | |
| | Total expenses | | 826,724 |
| | Investment income--net | | 5,638,195 |
| Realized & Unrealized Gain Allocated from the Trust--Net | | | |
| | Realized gain allocated from the Trust--net | | 232,159 |
| | Change in unrealized appreciation (depreciation) allocated from the Trust--net | | 3,844,055 |
| | Total realized and unrealized gain allocated from the Trust--net | | 4,076,214 |
| | Net Increase in Net Assets Resulting from Operations | | \$ 9,714,409 |
| See Notes to Financial Statements. | | | |

</TABLE>

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

| | | |
|-------------------------------------|--|------------------------------------|
| <TABLE> | Merrill Lynch Senior Floating Rate Fund II, Inc. | |
| Statements of Changes in Net Assets | | |
| <CAPTION> | | |
| | For the Six Months Ended February 28, 2005 | For the Year Ended August 31, 2004 |
| Increase (Decrease) in Net Assets: | | |
| <S> | <S> | <C> |
| Operations | | |
| | Investment income--net | \$ 5,638,195 |
| | Realized gain (loss) allocated from the Trust--net | 232,159 |
| | Change in unrealized appreciation (depreciation) allocated from the Trust--net | 3,844,055 |
| | Net increase in net assets resulting from operations | 9,714,409 |
| Dividends to Shareholders | | |
| | Investment income--net | (5,638,199) |
| | Net decrease in net assets resulting from dividends to shareholders | (5,638,199) |
| Capital Share Transactions | | |
| | Net increase in net assets derived from capital share transactions | 40,029,460 |
| Net Assets | | |
| | Total increase in net assets | 44,105,670 |
| | Beginning of period | 295,382,332 |

| | | |
|--|----------------|----------------|
| End of period* | \$ 339,488,002 | \$ 295,382,332 |
| * Accumulated distributions in excess of investment income | \$ (248,095) | \$ (248,091) |

See Notes to Financial Statements.

</TABLE>

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

<TABLE>
Financial Highlights
<CAPTION>

| 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 | \$ 9.67 | \$ 9.13 | \$ 8.64 | \$ 9.55 | \$ 9.87 |
| Investment income--net | .17*** | .30*** | .37 | .43 | .72 |
| Realized and unrealized gain (loss) allocated from the Trust--net | .13 | .55 | .49 | (.91) | (.32) |
| Total from investment operations | .30 | .85 | .86 | (.48) | .40 |
| Less dividends from investment income--net | (.17) | (.31) | (.37) | (.43) | (.72) |
| Net asset value, end of period | \$ 9.80 | \$ 9.67 | \$ 9.13 | \$ 8.64 | \$ 9.55 |

Total Investment Return**

| | | | | | |
|------------------------------------|----------|-------|--------|---------|-------|
| Based on net asset value per share | 3.18%+++ | 9.41% | 10.28% | (5.32%) | 4.25% |
|------------------------------------|----------|-------|--------|---------|-------|

Ratios to Average Net Assets

| | | | | | |
|--|--------|-------|-------|-------|-------|
| Expenses, excluding interest expense++ | 1.56%* | 1.57% | 1.84% | 1.78% | 1.66% |
| Expenses++ | 1.56%* | 1.57% | 1.84% | 1.78% | 1.66% |
| Investment income--net | 3.63%* | 3.20% | 4.28% | 4.64% | 7.45% |

Supplemental Data

| | | | | | |
|---|------------|------------|------------|------------|------------|
| Net assets, end of period (in thousands) | \$ 339,488 | \$ 295,382 | \$ 143,155 | \$ 182,026 | \$ 376,240 |
| Portfolio turnover | 25.40%++++ | 76.45%++++ | 56.56%++++ | 36.77%++++ | 19.53%++++ |

* 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.

+++ Portfolio turnover for the Trust.

++++ Portfolio turnover for the Trust for the period October 6, 2000 (commencement of operations of the Trust) to August 31, 2001.

+++ Aggregate total investment return.

++++ On October 6, 2000, 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.

</TABLE>

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

Notes to Financial Statements

Merrill Lynch Senior Floating Rate Fund II, Inc.

1. Significant Accounting Policies:

Merrill Lynch Senior Floating Rate Fund II, 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 32.0%. 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 .40% 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 \$24,205 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 | 5,264,329 | \$ 51,309,761 |
| Shares issued to shareholders in reinvestment of dividends | 331,025 | 3,228,888 |
| | ----- | ----- |
| Total issued | 5,595,354 | 54,538,649 |
| Shares redeemed | (1,491,776) | (14,509,189) |
| | ----- | ----- |
| Net increase | 4,103,578 | \$ 40,029,460 |
| | ===== | ===== |

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

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

| For the Year Ended August 31, 2004 | Shares | Dollar Amount |
|---|-------------|------------------|
| Shares sold | 17,327,061 | \$ 165,982,723 |
| Shares issued to shareholders in reinvestment of dividends | 359,535 | 3,435,268 |
| | ----- | ----- |
| Total issued | 17,686,596 | 169,417,991 |
| Shares redeemed | (2,836,683) | (26,714,710) |
| | ----- | ----- |
| Net increase | 14,849,913 | \$ 142,703,281 |
| | ===== | ===== |

4. Capital Loss Carryforward:

On August 31, 2004, the Fund had a net capital loss carryforward of \$28,100,729, of which \$5,039 expires in 2007, \$58,214 expires in 2008, \$3,070,668 expires in 2009, \$864,375 expires in 2010, \$17,719,049 expires in 2011 and \$6,383,384 expires in 2012. This amount will be available to offset like amounts of any future taxable gains.

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

<TABLE>
Schedule of Investments
<CAPTION>

| Industry++ <S> | Face Amount <C> | Senior Secured Floating Rate Loan Interests* <S> | Value <C> |
|------------------------------|-----------------------|---|--------------|
| Aerospace & Defense--2.0% | \$2,028,711 | KF Industries, Inc., Term Loan: due 11/18/2012 | \$ 2,065,270 |
| | 3,713,646 | due 11/18/2013 | 3,780,569 |
| | 2,076,923 | Standard Aero Holdings Term Loan, due 8/24/2012 | 2,110,025 |
| | 4,974,490 | Titan Corp. Term Loan B, due 6/30/2009 | 5,045,222 |
| | 6,300,000 | Vought Aircraft Industries, Inc: Term Loan, due 12/22/2011 | 6,398,438 |
| | 1,200,000 | Tranche B L/C Deposit, due 12/22/2010 | 1,219,500 |
| | | | ----- |
| | | | 20,619,024 |
| Automotive--2.6% | 3,980,000 | Grand Vehicle, First Lien Term Loan, due 7/23/2010 | 3,860,600 |
| | 5,044,255 | Metaldyne Corp. Term Loan D, due 12/31/2009 | 5,093,436 |
| | | NFIL Holdings Corp.: | |

| | | |
|-----------|--|------------|
| 5,475,234 | Term Loan, due 3/31/2010 | 5,560,785 |
| 762,186 | Term Loan B, due 2/27/2010 | 774,095 |
| | TRW Automotive Inc.: | |
| 4,250,000 | Term Loan B, due 6/30/2012 | 4,275,678 |
| 3,500,000 | Term Loan E, due 11/02/2010 | 3,524,063 |
| | Tenneco Automotive, Inc.: | |
| 2,215,862 | Term Loan B, due 12/12/2010 | 2,259,255 |
| 1,111,035 | Tranche B-1 Credit Linked, due 12/12/2010 | 1,132,792 |
| 1,546,667 | United Components, Inc. Term Loan C, due 6/30/2010 | 1,570,833 |
| | | ----- |
| | | 28,051,537 |

Broadcasting--2.9%

| | | |
|-----------|---|------------|
| | Cumulus Media Inc.: | |
| 1,704,643 | Term Loan A, due 3/28/2009 | 1,724,354 |
| 2,643,857 | Term Loan E, due 3/28/2010 | 2,684,617 |
| 1,995,000 | Term Loan F, due 3/28/2010 | 2,006,637 |
| 6,982,500 | Emmis Operating Company Term Loan B, due 11/10/2011 | 7,081,240 |
| 6,500,000 | Entravision Communications Corp. Term Loan B, due 2/24/2012 | 6,600,210 |
| 5,000,000 | Raycom Media, Inc. Term Loan B, due 3/22/2012 | 5,062,500 |
| | Sinclair Television Group: | |
| 700,000 | Term Loan A, due 6/30/2009 | 703,282 |
| 1,050,000 | Term Loan C, due 12/31/2009 | 1,059,844 |
| 4,000,000 | Susquehanna Media Co. Term Loan B, due 3/31/2012 | 4,068,752 |
| | | ----- |
| | | 30,991,436 |

Cable--
U.S.--18.0%

| | | |
|------------|---|-------------|
| 50,000,000 | Century Cable Holdings LLC Term Loan, due 6/30/2009 | 49,835,146 |
| 41,790,000 | Charter Communications Operating LLC Tranche B Term Loan, due 4/07/2011 | 41,985,034 |
| | Frontiervision Operating Partners LP: | |
| 3,582,057 | Term Loan A, due 9/30/2005 | 3,605,566 |
| 15,668,000 | Term Loan B, due 3/31/2006 | 15,770,829 |
| 9,975,000 | Hilton Head/UCA Inc. Term Loan B, due 3/31/2008 | 9,847,819 |
| | Inmarsat Facility: | |
| 4,240,451 | Term Loan B, due 1/08/2011 | 4,263,167 |
| 4,250,418 | Term Loan C, due 1/08/2012 | 4,288,217 |
| | Insight Midwest Holdings, LLC: | |
| 3,960,000 | Term Loan, due 12/31/2009 | 4,033,323 |
| 5,445,000 | Term Loan B, due 12/31/2009 | 5,547,094 |
| 6,125,000 | Mediacom Broadband Group Tranche A Term Loan, due 3/31/2010 | 6,098,203 |
| 3,200,000 | Mediacom Communications, LLC Tranche B Term Loan, due 3/31/2013 | 3,243,715 |
| 23,500,000 | Olympus Cable Holdings, LLC Term Loan B, due 9/30/2010 | 23,404,543 |
| 16,871,988 | PanAmSat Corp. Tranche B Term Loan, due 8/20/2011 | 17,158,322 |
| 1,990,000 | Persona Cable Term Loan B, due 3/31/2011 | 2,013,010 |
| | | ----- |
| | | 191,093,988 |

Chemicals--6.8%

| | | |
|------------|--|------------|
| 9,753,963 | CII Carbon, LLC Term Loan, due 6/25/2008 | 9,662,520 |
| 7,182,700 | Cedar Chemical Corp., Term Loan B, due 10/31/2003 (d) | 395,048 |
| 10,000,000 | Cognis Deutschland GmbH & Co. KG Term Loan B, due 11/15/2013 | 10,437,500 |
| 19,139,617 | Huntsman International LLC Term Loan B, due 12/31/2010 | 19,508,054 |
| | Invista B.V. Term Loan: | |
| 3,364,412 | New Tranche B-1, due 4/29/2011 | 3,421,186 |
| 1,517,941 | New Tranche B-2, due 4/29/2011 | 1,543,556 |

</TABLE>

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

<TABLE>

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

| Industry++ | Face Amount | Senior Secured Floating Rate Loan Interests* | Value |
|-----------------------------|-------------|--|------------|
| <S> | <C> | <S> | <C> |
| Chemicals (concluded) | \$ 737,064 | Kraton Polymers Term Loan, due 12/16/2010 | \$ 749,655 |
| | 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 Non-Durables--1.2% | 2,796,245 | American Achievement Corp. Term Loan B, due 3/22/2011 | 2,841,684 |
| | 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 Media--3.2% | 4,000,000 | Advertising Directory Solutions Holdings, Inc. Second Lien 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 & Production--0.2% | 1,970,100 | Williams Production RMT Company Term Loan, due 5/31/2007 | 2,002,936 |
| Food & Drug--0.4% | 3,628,986 | Pantry, Inc. Term Loan B, due 3/12/2011 | 3,691,361 |
| Food & Tobacco--2.0% | 876,629 | American Seafood Term Loan B, due 3/31/2009 | 889,778 |
| | 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 II, 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 |
| Industry++ | <C> | <S> | <C> |
| Health Care (concluded) | \$ 4,165,946 | Medpointe Capital Partners, LLC Tranche B Term Loan, due 9/30/2008 | \$ 4,186,776 |
| | 1,744,318 | Orthofix International NV Term Loan B, due 12/15/2008 | 1,769,393 |
| | 427,912 | Rotech Healthcare, Inc. Term Loan B, due 3/31/2008 | 433,172 |
| | 7,980,000 | Vanguard Health Systems, Inc. Term Loan, due 9/30/2010 | 8,142,098 |
| | 1,000,000 | Vanguard Health Tl Ba Pr, due 9/30/2010 | 1,014,375 |
| | | | ----- |
| | | | 36,179,741 |
| Housing--3.6% | 6,820,379 | General Growth Properties, Inc., Term Loan: Tranche A, due 11/12/2007 | 6,889,360 |
| | 9,650,000 | Tranche B, due 11/12/2008 | 9,811,744 |
| | 3,250,000 | Goodman Global Holdings Term Loan, due 12/23/2011 | 3,308,906 |

| | | | |
|------------------------------|------------|--|------------|
| | 6,222,656 | Headwaters, Inc. Term Loan B, due 4/30/2011 | 6,313,401 |
| | 1,972,841 | Juno Lighting, Inc. First Lien Term Loan, due 11/21/2010 | 2,012,298 |
| | 5,119,583 | Lake at Las Vegas Joint Venture First Lien Term Loan, due 11/01/2009 | 5,198,512 |
| | 4,975,000 | Nortek, Inc. Term Loan, due 8/27/2011 | 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 | True Temper Sports, Inc. Term Loan B, due 3/15/2011 | 3,696,540 |
| | 13,963,968 | Wyndham International, Inc.: | 14,043,968 |
| | 10,996,133 | Term Loan I, due 6/30/2006 | 11,044,241 |
| | | Term Loan II, due 4/01/2006 | ----- |
| | | | 28,784,749 |
| Manufacturing--4.2% | 7,517,441 | Amsted Industries, Inc. Term Loan B-1, due 10/15/2010 | 7,665,445 |
| | 1,950,000 | Bucyrus International, Inc. Term Loan, due 7/01/2010 | 1,989,000 |
| | | ChannelMaster Holdings, Inc. (d): | |
| | 128,199 | Revolving Credit, due 11/15/2004 | 24,358 |
| | 2,309,504 | Term Loan, due 11/15/2004 | 438,806 |
| | 5,771,246 | EaglePicher Holdings, Inc. Tranche B Term Loan, due 8/07/2009 | 5,761,625 |
| | 4,375,000 | High Voltage Engineering Corp. Term Loan A, due 7/31/2006 | 4,353,125 |
| | | Invensys International Holdings Ltd.: | |
| | 3,954,314 | First Lien Term Loan, due 9/04/2009 | 4,025,986 |
| | 2,000,000 | Second Lien Term Loan, due 12/04/2009 | 2,058,750 |
| | 2,190,405 | Itron, Inc. Tranche B, due 12/17/2010 | 2,214,134 |
| | 11,150,459 | Mueller Group, Inc. Initial Term Loan, due 4/23/2011 | 11,282,870 |
| | 1,316,854 | SPX Corp. Term Loan B, due 9/30/2009 | 1,325,414 |
| | 3,451,952 | Trimas Corporation Term Loan B, due 12/31/2009 | 3,508,046 |
| | | | ----- |
| | | | 44,647,559 |
| Packaging--2.2% | 1,736,000 | BWAY Corporation Term Loan B, due 6/30/2011 | 1,764,210 |
| | 11,000,000 | Graham Packaging Co. LP Term Loan B, due 10/07/2011 | 11,214,500 |
| | | Owens-Illinois Group Inc.: | |
| | 4,841,371 | French Tranche C-1 Term Loan, due 4/01/2008 | 4,932,147 |
| | 750,000 | Term Loan A, due 4/01/2007 | 763,219 |
| | 404,959 | Term Loan B, due 4/01/2008 | 412,501 |
| | 4,104,433 | Tekni-Flex, Inc. Term Loan B, due 6/21/2008 | 4,160,869 |
| | | | ----- |
| | | | 23,247,446 |
| Paper--1.2% | 3,054,012 | Boise Cascade Holdings, LLC Tranche B Term Loan, due 10/28/2011 | 3,113,757 |
| | 3,422,057 | Graphic Packaging Term Loan B, due 8/08/2010 | 3,486,648 |
| | | Smurfit Stone Container Corp.: | |
| | 2,008,590 | Deposit Account, due 11/01/2010 | 2,044,369 |
| | 3,434,608 | Tranche B, due 11/01/2011 | 3,493,281 |
| | 1,056,802 | Tranche C, due 11/01/2011 | 1,075,032 |
| | | | ----- |
| | | | 13,213,087 |

</TABLE>

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

| <TABLE> | | Master Senior Floating Rate Trust | | (in U.S. dollars) |
|-------------------------------------|--------------|--|--|-------------------|
| Schedule of Investments (continued) | | | | |
| <CAPTION> | | | | |
| Industry++ | Face Amount | Senior Secured Floating Rate Loan Interests* | | Value |
| <S> | <C> | <S> | | <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: | | 10,335,624 |
| | 3,535,714 | due 1/15/2010 | | 3,545,660 |
| | 5,940,150 | Tranche D, due 1/15/2010 | | 6,070,091 |
| | 3,929,243 | Buhrmann US, Inc. Term Loan C-1 Facility, due 12/23/2010 | | 3,995,549 |
| | 6,106,136 | Corrections Corp. of America Term Loan C, due 3/31/2008 | | 6,106,136 |
| | 7,682,418 | Great Lakes Term Loan, due 12/23/2010 | | 1 |
| | 5,254,236 | Prime Succession Inc. Term Loan, due 8/01/2003 (d) | | 5,285,436 |
| | | URS Corp. Term Loan B, due 7/01/2008 | | |

| | | | |
|-------------------------------|------------|---|-------------|
| | | United Rentals, Inc.: | |
| | 3,308,333 | 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 |
| | | WillTel Communications, LLC: | |
| | 8,976,316 | 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 |
| | | Calpine Generating Co. LLC Term Loan: | |
| | 4,875,000 | 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 |
| | | El Paso Corp.: | |
| | 3,937,500 | 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 |
| | | NRG Energy: | |
| | 1,050,000 | 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 II, INC., FEBRUARY 28, 2005

| <TABLE> | | Master Senior Floating Rate Trust | | (in U.S. dollars) |
|-------------------------------------|----------------|---|----|-------------------|
| Schedule of Investments (continued) | | | | |
| <CAPTION> | | | | |
| Industry++<S> | Face Amount<C> | Corporate Debt<S> | | Value<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>

| | | | |
|-------------|-----|--|-----|
| | | Warrants (c) | |
| <S> | <C> | <S> | <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 II, 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 | |
| <S> | <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 II, INC., FEBRUARY 28, 2005

<TABLE>

Statement of Assets and Liabilities
<CAPTION>

Master Senior Floating Rate Trust

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 II, INC., FEBRUARY 28, 2005

| | | | |
|--|-----|-----------------------------------|------------|
| <TABLE> | | Master Senior Floating Rate Trust | |
| Statement of Operations | | <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.

</TABLE>

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

<TABLE>

Statements of Changes in Net Assets

<CAPTION>

| | Master Senior Floating Rate Trust | |
|---|---|---|
| | 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 | \$ 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.

</TABLE>

<TABLE>

Statement of Cash Flows

<CAPTION>

| | Master Senior Floating Rate Trust | |
|---|-----------------------------------|---|
| <S> <S> | | For the Six Months Ended February 28, 2005 |
| | | <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 II, INC., FEBRUARY 28, 2005

<TABLE>

Financial Highlights

Master Senior Floating Rate Trust

<CAPTION>

| | For the Six Months Ended February 28, 2005 | For the Year Ended August 31, | | | For the Period October 6, 2000++ to August 31, 2001 |
|---|---|-------------------------------|------------|------------|---|
| | <C> | 2004 | 2003 | 2002 | <C> |
| The following ratios have been derived from from information provided in the financial statements. | | | | | |
| <S> <S> | | <C> | <C> | <C> | <C> |
| Total Investment Return** | | | | | |
| 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>

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

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.

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 II, 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 II, 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.

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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, 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 II, Inc. and Master Senior Floating Rate Trust and will be retained by Merrill Lynch Senior Floating Rate Fund II, 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 II, 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 II, 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 II, Inc. and Master Senior Floating Rate Trust and will be retained by Merrill Lynch Senior Floating Rate Fund II, Inc. and Master Senior Floating Rate Trust and furnished to the Securities and

Exchange Commission or its staff upon request.