

EATON VANCE SENIOR FLOATING RATE TRUST
Form N-CSR
December 27, 2007

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

FORM N-CSR

**CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES**

Investment Company Act file number 811- 21411

Eaton Vance Senior Floating-Rate Trust
(Exact name of registrant as specified in charter)

The Eaton Vance Building, 255 State Street, Boston, Massachusetts
(Address of principal executive offices)

02109
(Zip code)

Maureen A. Gemma
The Eaton Vance Building, 255 State Street, Boston, Massachusetts 02109
(Name and address of agent for service)

Registrant's telephone number, including area code: (617) 482-8260

Date of fiscal year end: October 31

Date of reporting period: October 31, 2007

Item 1. Reports to Stockholders

Annual Report October 31, 2007

EATON VANCE
SENIOR
FLOATING-RATE
TRUST

**IMPORTANT NOTICES REGARDING PRIVACY,
DELIVERY OF SHAREHOLDER DOCUMENTS,
PORTFOLIO HOLDINGS AND PROXY VOTING**

Privacy. The Eaton Vance organization is committed to ensuring your financial privacy. Each of the financial institutions identified below has in effect the following policy ("Privacy Policy") with respect to nonpublic personal information about its customers:

Only such information received from you, through application forms or otherwise, and information about your Eaton Vance fund transactions will be collected. This may include information such as name, address, social security number, tax status, account balances and transactions.

None of such information about you (or former customers) will be disclosed to anyone, except as permitted by law (which includes disclosure to employees necessary to service your account). In the normal course of servicing a customer's account, Eaton Vance may share information with unaffiliated third parties that perform various required services such as transfer agents, custodians and broker/dealers.

Policies and procedures (including physical, electronic and procedural safeguards) are in place that are designed to protect the confidentiality of such information.

We reserve the right to change our Privacy Policy at any time upon proper notification to you. Customers may want to review our Policy periodically for changes by accessing the link on our homepage: www.eatonvance.com.

Our pledge of privacy applies to the following entities within the Eaton Vance organization: the Eaton Vance Family of Funds, Eaton Vance Management, Eaton Vance Investment Counsel, Boston Management and Research, and Eaton Vance Distributors, Inc.

In addition, our Privacy Policy only applies to those Eaton Vance customers who are individuals and who have a direct relationship with us. If a customer's account (i.e., fund shares) is held in the name of a third-party financial adviser/broker-dealer, it is likely that only such adviser's privacy policies apply to the customer. This notice supersedes all previously issued privacy disclosures.

For more information about Eaton Vance's Privacy Policy, please call 1-800-262-1122.

Delivery of Shareholder Documents. The Securities and Exchange Commission (the "SEC") permits funds to deliver only one copy of shareholder documents, including prospectuses, proxy statements and shareholder reports, to fund investors with multiple accounts at the same residential or post office box address. This practice is often called "householding" and it helps eliminate duplicate mailings to shareholders.

Eaton Vance, or your financial adviser, may household the mailing of your documents indefinitely unless you instruct Eaton Vance, or your financial adviser, otherwise.

If you would prefer that your Eaton Vance documents not be househanded, please contact Eaton Vance at 1-800-262-1122, or contact your financial adviser.

Your instructions that householding not apply to delivery of your Eaton Vance documents will be effective within 30 days of receipt by Eaton Vance or your financial adviser.

Portfolio Holdings. Each Eaton Vance Fund and its underlying Portfolio (if applicable) will file a schedule of its portfolio holdings on Form N-Q with the SEC for the first and third quarters of each fiscal year. The Form N-Q will be available on the Eaton Vance website www.eatonvance.com, by calling Eaton Vance at 1-800-262-1122 or in the EDGAR database on the SEC's website at www.sec.gov. Form N-Q may also be reviewed and copied at the SEC's public reference room in Washington, D.C. (call 1-800-732-0330 for information on the operation of the public reference room).

Proxy Voting. From time to time, funds are required to vote proxies related to the securities held by the funds. The Eaton Vance Funds or their underlying Portfolios (if applicable) vote proxies according to a set of policies and procedures approved by the Funds' and Portfolios' Boards. You may obtain a description of these policies and procedures and information on how the Funds or Portfolios voted proxies relating to portfolio securities during the most recent 12 month period ended June 30, without charge, upon request, by calling 1-800-262-1122. This description is also available on the SEC's website at www.sec.gov.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

MANAGEMENT'S DISCUSSION OF FUND PERFORMANCE

Performance for the Past Year

- Based on share price, Eaton Vance Senior Floating-Rate Trust (the Fund), a closed-end fund traded on the New York Stock Exchange, had a total return of -3.13% for the year ended October 31, 2007.(1)
- Based on net asset value (NAV), the Fund had a total return of 3.93% for the year ended October 31, 2007.(1)
- For performance comparison, the S&P/LSTA Leveraged Loan Index an unmanaged index of U.S. dollar-denominated leveraged loans had a total return of 4.42% for the year ended October 31, 2007.(2)

Investment Environment

- The loan market underwent an unprecedented correction in the third quarter of 2007 that resulted from a decline in loan demand, combined with an increase in the supply of new loan issuance. Average loan market prices fell 4%-5% in July and August. The risk aversion that began in the subprime mortgage area spread to the leveraged loan market through increased credit spreads and loan price volatility, which in turn further reduced demand from key market participants, including hedge funds, collateralized loan participation funds and mutual funds. With investor demand falling and loan supply rising to record levels, prices fell to levels not seen since 2002.
- Interestingly, this market decline was distinguished from previous corrections by the fact that corporate loan default rates have remained at historic lows, 0.5% according to Standard & Poor's. Thus while there were increasing signs of a weakening economy, the market decline was primarily based on technical factors. The silver lining in the correction is that effective loan credit spreads widened from roughly 200 basis points (2.00%) over LIBOR the London-Interbank Offered Rate, used by banks as a base for loans to large commercial and industrial companies to around 300 basis points (3.00%) by the Fund's fiscal year-end. That was closer to average historical levels.

The Fund's Investments

- The Fund's investment objective is to seek to provide a high level of current income. As a secondary objective, it may also seek preservation of capital to the extent consistent with its primary goal of high current income. Under normal market conditions, the Fund invests at least 80% of its total assets in senior, secured floating-rate loans (senior loans). In managing the Fund, the investment adviser seeks to invest in a portfolio of senior loans that will be less volatile over time than the general loan market. The Fund may also invest in second lien loans and high yield bonds, and (as discussed below) employs leverage, which may increase risk.

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- The Fund's investments included senior loans to 478 borrowers spanning 39 industries at October 31, 2007, with an average loan size of 0.19% of total investments, and no industry constituting more than 9% of total investments. Health care, publishing, cable and satellite television, chemicals and plastics, and business equipment and services were the largest industry weightings.(3)
- The Fund is well diversified in terms of industry, market and geography a strategy management believes should help the Fund weather an economic downturn. The Fund had a 10.2% exposure to European loans, which provided further diversification and the opportunity for yield enhancement. Loans denominated in foreign currencies were hedged to protect against foreign currency risk.(3)
- The Fund's exposure to builders and developers of housing was less than 1%. Home builders have struggled in the recent economic climate; however, management believes that these loans should benefit from the security and collateral that back these exposures. The Fund did not have any direct exposure to subprime or prime mortgage lenders during the year ended October 31, 2007.(3)

(1) Performance results reflect the effect of leverage resulting from the Fund's issuance of Auction Preferred Shares. Absent an expense waiver by the investment adviser, the returns would be lower.

(2) It is not possible to invest directly in an Index. The Index's total return reflects changes in value of the loans constituting the Index and accrual of interest and does not reflect the commissions or expenses that would have been incurred if an investor individually purchased or sold the loans represented in the Index. Unlike the Fund, the Index's return does not reflect the effect of leverage, such as the issuance of Auction Preferred Shares.

(3) Holdings and industry weightings are subject to change due to active management.

The views expressed in this report are those of the portfolio managers and are current only through the end of the period of the report as stated on the cover. These views are subject to change at any time based upon market or other conditions, and Eaton Vance disclaims any responsibility to update such views. These views may not be relied on as investment advice and, because investment decisions for an Eaton Vance fund are based on many factors, may not be relied on as an indication of trading intent on behalf of any Eaton Vance fund.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value or share price (as applicable) with all distributions reinvested. Investment return and principal value will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Performance is for the stated time period only; due to market volatility, the Fund's current performance may be lower or higher than the quoted return. For performance as of the most recent month end, please refer to www.eatonvance.com.

Shares of the Fund are not insured by the FDIC and are not deposits or other obligations of, or guaranteed by, any depository institution. Shares are subject to investment risks, including possible loss of principal invested.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PERFORMANCE

- The Fund's net asset value per share reflected the market correction, declining in July and August, before temporarily rebounding somewhat in September and October. Despite the summer decline, the Fund registered a positive total return, at NAV, for the fiscal year.

- At October 31, 2007, the Fund had leverage in the amount of approximately 39.8% of the Fund's total assets. The Fund employs leverage through the issuance of Auction Preferred Shares (APS). Use of financial leverage creates an opportunity for increased income but, at the same time, creates special risks (including the likelihood of greater volatility of net asset value and market price of common shares). The cost of the Fund's APS rises and falls with changes in short-term interest rates. Such increases/decreases in cost of the Fund's APS may be offset by increased/decreased income from the Fund's senior loan investments.

Fund Performance as of 10/31/07(1)

New York Stock Exchange Symbol

EFR

Average Annual Total Return (by share price, NYSE)

| | |
|-------------------------|--------|
| One Year | -3.13% |
| Life of Fund (11/28/03) | 3.10 |

Average Annual Total Return (at net asset value)

| | |
|-------------------------|-------|
| One Year | 3.93% |
| Life of fund (11/28/03) | 5.62 |

(1) Performance results reflect the effect of leverage resulting from the Fund's issuance of Auction Preferred Shares. Absent an expense waiver by the investment adviser, the returns would be lower. In the event of a rise in long-term interest rates, the value of the Fund's investment portfolio could decline, which would reduce the asset coverage for its Auction Preferred Shares.

(2) In the event of a rise in long-term interest rates, the value of the Fund's investment portfolio could decline, which would reduce the asset coverage for its Auction Preferred Shares.

Top Ten Holdings(3)

By total investments

| | |
|-----------------------------------|------|
| Sungard Data Systems | 1.3% |
| Charter Communications Operating | 1.2 |
| WMG Acquisition Corp. | 1.0 |
| NRG Energy Inc. | 1.0 |
| Georgia-Pacific Corp. | 0.9 |
| Community Health Systems, Inc. | 0.8 |
| Univision Communications, Inc. | 0.8 |
| Metro-Goldwyn-Mayer Studios, Inc. | 0.8 |

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| | |
|----------------------------|-----|
| UPC Broadband Holding B.V. | 0.8 |
| Idearc, Inc. | 0.7 |

(3) Reflects the Fund's investments as of October 31, 2007. Holdings are shown as a percentage of the Fund's total investments. Fund information may not be representative of current or future investments and may change due to active management.

Top Five Industries(4)

By total investments

| | |
|-------------------------------|------|
| Health Care | 8.2% |
| Publishing | 7.0 |
| Cable & Satellite Television | 6.6 |
| Chemicals & Plastics | 6.3 |
| Business Equipment & Services | 6.1 |

(4) Reflects the Fund's investments as of October 31, 2007. Industries are shown as a percentage of the Fund's total investments. Fund information may not be representative of current or future investments and are subject to change due to active management.

Credit Quality Ratings for Total Loan Investments(5)

By total loan investments

| | |
|--------------|------|
| Baa | 2.3% |
| Ba | 50.5 |
| B | 30.5 |
| Caa | 3.0 |
| Non-Rated(6) | 13.7 |

(5) Credit Quality ratings are those provided by Moody's, a nationally recognized bond rating service. As a percentage of the Fund's total loan investments as of October 31, 2007. Fund information may not be representative of current or future investments and may change due to active management.

(6) Certain loans in which the Fund invests are not rated by a rating agency. In management's opinion, such securities are comparable to securities rated by a rating agency in the categories listed above.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value or share price (as applicable) with all distributions reinvested. The Fund's performance at market share price will differ from its results at NAV. Although share price performance generally reflects investment results over time, during shorter periods, returns at share price can also be affected by factors such as changing perceptions about the Fund, market conditions, fluctuations in supply and demand for the Fund's shares, or changes in Fund distributions. Investment return and principal value will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Performance is for the stated time period only; due to market volatility, the Fund's current performance may be lower or higher than the quoted return. For performance as of the most recent month end, please refer to www.eatonvance.com.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS

| Senior Floating-Rate Interests 151.5% | Principal Amount* | Borrower/Tranche Description | Value |
|---|-------------------|---|---------------|
| Aerospace and Defense 2.6% | | | |
| ACTS Aero Technical Support & Service, Inc. | | | |
| \$ | 850,000 | Term Loan, 8.47%, Maturing October 5, 2014 | \$ 827,687 |
| Colt Defense, LLC | | | |
| | 997,500 | Term Loan, 8.00%, Maturing July 9, 2014 | 991,266 |
| DAE Aviation Holdings, Inc. | | | |
| | 485,066 | Term Loan, 7.80%, Maturing July 31, 2009 | 484,763 |
| | 964,935 | Term Loan, 8.93%, Maturing July 31, 2014 | 965,537 |
| Evergreen International Aviation | | | |
| | 1,464,772 | Term Loan, 8.30%, Maturing October 31, 2011 | 1,428,153 |
| Hawker Beechcraft Acquisition | | | |
| | 176,702 | Term Loan, 5.20%, Maturing March 26, 2014 | 173,182 |
| | 2,077,856 | Term Loan, 7.17%, Maturing March 26, 2014 | 2,036,461 |
| Hexcel Corp. | | | |
| | 897,869 | Term Loan, 7.03%, Maturing March 1, 2012 | 879,912 |
| IAP Worldwide Services, Inc. | | | |
| | 957,938 | Term Loan, 11.50%, Maturing December 30, 2012 | 870,765 |
| Spirit AeroSystems, Inc. | | | |
| | 1,613,859 | Term Loan, 6.90%, Maturing December 31, 2011 | 1,601,755 |
| TransDigm, Inc. | | | |
| | 1,625,000 | Term Loan, 7.20%, Maturing June 23, 2013 | 1,602,149 |
| Vought Aircraft Industries, Inc. | | | |
| | 2,128,447 | Term Loan, 7.34%, Maturing December 17, 2011 | 2,109,823 |
| Wesco Aircraft Hardware Corp. | | | |
| | 1,142,688 | Term Loan, 7.45%, Maturing September 29, 2013 | 1,131,023 |
| Wyle Laboratories, Inc. | | | |
| | 245,059 | Term Loan, 8.11%, Maturing January 28, 2011 | 241,383 |
| | | | \$ 15,343,859 |
| Air Transport 0.9% | | | |
| Airport Development and Investment, Ltd. | | | |
| GBP | 986,070 | Term Loan, 10.28%, Maturing April 7, 2011 | \$ 1,995,389 |
| Delta Air Lines, Inc. | | | |
| | 1,197,000 | Term Loan, 8.08%, Maturing April 30, 2014 | 1,188,237 |
| Northwest Airlines, Inc. | | | |
| | 2,079,000 | | 2,005,368 |

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DIP Loan, 7.03%, Maturing August
21, 2008

| | | | |
|--------------------------------------|-----------|---|--------------|
| | | | \$ 5,188,994 |
| Automotive 6.5% | | | |
| Accuride Corp. | | Term Loan, 7.13%, Maturing January 31, 2012 | \$ 1,921,255 |
| \$ | 1,957,967 | | |
| Adesa, Inc. | | Term Loan, 7.45%, Maturing October 18, 2013 | 4,084,616 |
| | 4,214,438 | | |
| Principal Amount* | | Borrower/Tranche Description | Value |
| Automotive (continued) | | | |
| Affina Group, Inc. | | Term Loan, 7.96%, Maturing November 30, 2011 | \$ 1,370,128 |
| \$ | 1,370,985 | | |
| Allison Transmission, Inc. | | Term Loan, 8.17%, Maturing September 30, 2014 | 2,931,249 |
| | 3,000,000 | | |
| AxleTech International Holding, Inc. | | Term Loan, 11.73%, Maturing April 21, 2013 | 1,721,562 |
| | 1,750,000 | | |
| CSA Acquisition Corp. | | Term Loan, 7.75%, Maturing December 23, 2011 | 1,241,704 |
| | 1,257,157 | | |
| | 491,250 | Term Loan, 7.75% Maturing December 23, 2012 | 488,794 |
| Dana Corp. | | Term Loan, 7.98%, Maturing March 30, 2008 | 2,339,928 |
| | 2,350,000 | | |
| Dayco Products, LLC | | Term Loan, 7.76%, Maturing June 21, 2011 | 1,890,729 |
| | 1,951,090 | | |
| Delphi Corp. | | DIP Loan, 7.88%, Maturing December 31, 2007 | 998,646 |
| | 1,000,000 | | |
| Federal-Mogul Corp. | | Revolving Loan, 6.28%, Maturing December 31, 2007 ⁽²⁾ | 2,876,976 |
| | 2,915,607 | | |
| Ford Motor Co. | | Term Loan, 8.70%, Maturing December 15, 2013 | 1,699,227 |
| | 1,761,688 | | |
| General Motors Corp. | | Term Loan, 7.62%, Maturing November 29, 2013 | 3,373,263 |
| | 3,431,600 | | |
| Goodyear Tire & Rubber Co. | | Term Loan, 6.43%, Maturing April 30, 2010 | 2,337,499 |
| | 2,400,000 | | |
| HLI Operating Co., Inc. | | Term Loan, 6.87%, Maturing May 30, 2014 | 2,650,183 |
| EUR | 1,890,909 | | |
| | | Term Loan, 7.16%, Maturing May 30, 2014 | 154,671 |
| EUR | 109,091 | | |
| Keystone Automotive Operations, Inc. | | Term Loan, 8.65%, Maturing January 12, 2012 | 1,302,674 |
| | 1,391,994 | | |
| LKQ Corp. | | Term Loan, 7.36%, Maturing October 12, 2014 | 972,562 |
| | 975,000 | | |
| Osprey Acquisitions, Ltd. | | | |

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|----------------------------|-----------|---|---------------|
| GBP | 1,000,000 | Term Loan, 7.96%, Maturing September 30, 2011 | 2,038,400 |
| TriMas Corp. | | | |
| | 234,375 | Term Loan, 6.79%, Maturing August 2, 2011 | 230,566 |
| | 1,005,469 | Term Loan, 7.23%, Maturing August 2, 2013 | 989,130 |
| United Components, Inc. | | | |
| | 1,346,629 | Term Loan, 7.38%, Maturing June 30, 2010 | 1,321,379 |
| | | | \$ 38,935,141 |
| Beverage and Tobacco 0.5% | | | |
| Constellation Brands, Inc. | | | |
| \$ | 560,000 | Term Loan, 6.69%, Maturing June 5, 2013 | \$ 552,884 |
| Culligan International Co. | | | |
| EUR | 975,000 | Term Loan, 9.33%, Maturing May 31, 2013 | 1,255,417 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | Borrower/Tranche Description | Value |
|---|---|--------------|
| Beverage and Tobacco (continued) | | |
| Southern Wine & Spirits of America, Inc. | | |
| 1,427,789 | Term Loan, 6.70%, Maturing May 31, 2012 | \$ 1,425,112 |
| | | \$ 3,233,413 |
| Brokers, Dealers and Investment Houses 0.1% | | |
| AmeriTrade Holding Corp. | | |
| \$ 730,172 | Term Loan, 6.25%, Maturing December 31, 2012 | \$ 722,795 |
| | | \$ 722,795 |
| Building and Development 5.6% | | |
| Beacon Sales Acquisition, Inc. | | |
| \$ 693,000 | Term Loan, 7.16%, Maturing September 30, 2013 | \$ 665,280 |
| Brickman Group Holdings, Inc. | | |
| 1,218,875 | Term Loan, 7.14%, Maturing January 23, 2014 | 1,185,356 |
| Building Materials Corp. of America | | |
| 1,414,339 | Term Loan, 7.94%, Maturing February 22, 2014 | 1,291,594 |
| Capital Automotive REIT | | |
| 1,232,598 | Term Loan, 6.88%, Maturing December 16, 2010 | 1,219,712 |
| Epco/Fantome, LLC | | |
| 1,464,000 | Term Loan, 7.59%, Maturing November 23, 2010 | 1,467,660 |
| Hovstone Holdings, LLC | | |
| 1,334,952 | Term Loan, 7.63%, Maturing February 28, 2009 | 1,214,807 |
| LNR Property Corp. | | |
| 2,800,000 | Term Loan, 8.11%, Maturing July 3, 2011 | 2,737,000 |
| Metroflag BP, LLC | | |
| 500,000 | Term Loan, 14.09%, Maturing July 1, 2008 | 495,000 |
| Mueller Water Products, Inc. | | |
| 1,789,223 | Term Loan, 6.69%, Maturing May 24, 2014 | 1,764,342 |
| NCI Building Systems, Inc. | | |
| 594,000 | Term Loan, 6.88%, Maturing June 18, 2010 | 582,863 |
| Nortek, Inc. | | |
| 2,711,126 | Term Loan, 7.05%, Maturing August 27, 2011 | 2,656,903 |
| November 2005 Land Investors | | |
| 396,647 | Term Loan, 7.57%, Maturing May 9, 2011 | 356,983 |
| Panolam Industries Holdings, Inc. | | |
| 542,430 | Term Loan, 7.95%, Maturing September 30, 2012 | 520,733 |
| PLY GEM Industries, Inc. | | |

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| | | | |
|--------------------------------------|-----------|--|---------------|
| | 1,915,372 | Term Loan, 7.95%, Maturing August 15, 2011 | 1,803,322 |
| Realogy Corp. | | | |
| | 901,516 | Term Loan, 4.97%, Maturing September 1, 2014 | 840,213 |
| | 3,340,113 | Term Loan, 8.24%, Maturing September 1, 2014 | 3,112,985 |
| South Edge, LLC | | | |
| | 787,500 | Term Loan, 6.81%, Maturing October 31, 2009 | 708,750 |
| Principal Amount* | | Borrower/Tranche Description | Value |
| Building and Development (continued) | | | |
| Stile Acquisition Corp. | | | |
| \$ | 1,163,481 | Term Loan, 7.14%, Maturing April 6, 2013 | \$ 1,096,021 |
| Stile U.S. Acquisition Corp. | | | |
| | 1,165,468 | Term Loan, 7.12%, Maturing April 6, 2013 | 1,097,893 |
| Tousa/Kolter, LLC | | | |
| | 1,297,200 | Term Loan, 8.46%, Maturing January 7, 2008 | 1,293,957 |
| TRU 2005 RE Holding Co. | | | |
| | 4,100,000 | Term Loan, 8.13%, Maturing December 9, 2008 | 4,062,415 |
| United Subcontractors, Inc. | | | |
| | 825,000 | Term Loan, 12.36%, Maturing June 27, 2013 | 684,750 |
| Wintergames Acquisition ULC | | | |
| | 2,782,468 | Term Loan, 8.13%, Maturing April 24, 2008 | 2,761,599 |
| | | | \$ 33,620,138 |
| Business Equipment and Services 9.6% | | | |
| ACCO Brands Corp. | | | |
| \$ | 1,307,450 | Term Loan, 7.18%, Maturing August 17, 2012 | \$ 1,289,473 |
| Activant Solutions, Inc. | | | |
| | 721,446 | Term Loan, 7.38%, Maturing May 1, 2013 | 691,235 |
| Affiliated Computer Services | | | |
| | 810,563 | Term Loan, 6.82%, Maturing March 20, 2013 | 801,950 |
| | 2,147,813 | Term Loan, 6.96%, Maturing March 20, 2013 | 2,124,992 |
| Affinion Group, Inc. | | | |
| | 2,494,101 | Term Loan, 7.98%, Maturing October 17, 2012 | 2,476,436 |
| Allied Security Holdings, LLC | | | |
| | 1,252,727 | Term Loan, 8.20%, Maturing June 30, 2010 | 1,248,030 |
| Buhrmann US, Inc. | | | |
| | 3,075,695 | Term Loan, 7.30%, Maturing December 31, 2010 | 3,044,938 |
| DynCorp International, LLC | | | |
| | 1,076,356 | Term Loan, 7.25%, Maturing February 11, 2011 | 1,041,374 |
| Education Management, LLC | | | |
| | 2,717,019 | Term Loan, 7.00%, Maturing June 1, 2013 | 2,642,301 |
| Info USA, Inc. | | | |

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|------------------------------|-----------|---|-----------|
| | 614,109 | Term Loan, 7.20%, Maturing February 14, 2012 | 604,898 |
| iPayment, Inc. | | | |
| | 1,667,042 | Term Loan, 7.04%, Maturing May 10, 2013 | 1,592,025 |
| ista International GmbH | | | |
| EUR | 1,275,000 | Term Loan, 6.34%, Maturing May 14, 2015 | 1,755,670 |
| Kronos, Inc. | | | |
| | 1,097,250 | Term Loan, 7.45%, Maturing June 11, 2014 | 1,063,647 |
| Language Line, Inc. | | | |
| | 2,184,378 | Term Loan, 8.42%, Maturing June 11, 2011 | 2,134,319 |
| Mitchell International, Inc. | | | |
| | 1,000,000 | Term Loan, 10.50%, Maturing March 28, 2015 | 920,000 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|---|------------|---|---------------|
| Business Equipment and Services (continued) | | | |
| N.E.W. Holdings I, LLC | | | |
| \$ | 981,955 | Term Loan, 7.77%, Maturing May 22, 2014 | \$ 930,096 |
| Protection One, Inc. | | | |
| | 905,154 | Term Loan, 7.39%, Maturing March 31, 2012 | 888,183 |
| Quantum Corp. | | | |
| | 403,750 | Term Loan, 8.70%, Maturing July 12, 2014 | 400,722 |
| Quintiles Transnational Corp. | | | |
| | 1,700,000 | Term Loan, 9.20%, Maturing March 31, 2014 | 1,691,500 |
| Sabre, Inc. | | | |
| | 4,057,297 | Term Loan, 6.96%, Maturing September 30, 2014 | 3,862,802 |
| Serena Software, Inc. | | | |
| | 517,500 | Term Loan, 7.18%, Maturing March 10, 2013 | 501,112 |
| Sitel (Client Logic) | | | |
| | 1,995,594 | Term Loan, 7.30%, Maturing January 29, 2014 | 1,900,803 |
| Solera Holdings, LLC | | | |
| EUR | 796,000 | Term Loan, 6.75%, Maturing May 15, 2014 | 1,122,823 |
| SunGard Data Systems, Inc. | | | |
| | 12,806,724 | Term Loan, 7.36%, Maturing February 11, 2013 | 12,661,188 |
| TDS Investor Corp. | | | |
| EUR | 1,054,228 | Term Loan, 6.98%, Maturing August 23, 2013 | 1,496,606 |
| | 1,615,004 | Term Loan, 7.45%, Maturing August 23, 2013 | 1,585,732 |
| Transaction Network Services, Inc. | | | |
| | 651,778 | Term Loan, 7.48%, Maturing May 4, 2012 | 642,001 |
| Valassis Communications, Inc. | | | |
| | 477,883 | Term Loan, 6.95%, Maturing March 2, 2014 | 455,483 |
| VWR International, Inc. | | | |
| | 1,625,000 | Term Loan, 7.70%, Maturing June 28, 2013 | 1,572,696 |
| WAM Acquisition, S.A. | | | |
| EUR | 400,000 | Term Loan, 6.57%, Maturing May 4, 2014 | 563,937 |
| EUR | 400,000 | Term Loan, 6.82%, Maturing May 4, 2015 | 566,567 |
| West Corp. | | | |
| | 3,415,565 | Term Loan, 7.27%, Maturing October 24, 2013 | 3,355,082 |
| | | | \$ 57,628,621 |
| Cable and Satellite Television 10.8% | | | |

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| | | | |
|--|------------|---|---------------|
| Atlantic Broadband Finance, LLC | | | |
| \$ | 4,240,923 | Term Loan, 7.45%, Maturing February 10, 2011 | \$ 4,189,680 |
| Bragg Communications, Inc. | | | |
| | 2,150,000 | Term Loan, 8.06%, Maturing August 31, 2014 | 2,154,031 |
| Bresnan Broadband Holdings, LLC | | | |
| | 500,000 | Term Loan, 7.18%, Maturing March 29, 2014 | 488,571 |
| | 1,200,000 | Term Loan, 9.95%, Maturing March 29, 2014 | 1,197,500 |
| Cequel Communications, LLC | | | |
| | 1,550,000 | Term Loan, 9.86%, Maturing May 5, 2014 | 1,526,750 |
| | 3,339,203 | Term Loan, 11.36%, Maturing May 5, 2014 | 3,288,280 |
| Principal Amount* | | | |
| | | Borrower/Tranche Description | Value |
| Cable and Satellite Television (continued) | | | |
| Charter Communications Operating, Inc. | | | |
| \$ | 12,118,808 | Term Loan, 6.99%, Maturing April 28, 2013 | \$ 11,666,377 |
| CSC Holdings, Inc. | | | |
| | 5,003,467 | Term Loan, 6.88%, Maturing March 29, 2013 | 4,895,477 |
| CW Media Holdings, Inc. | | | |
| | 625,000 | Term Loan, 8.50%, Maturing February 15, 2015 | 625,000 |
| Insight Midwest Holdings, LLC | | | |
| | 5,325,000 | Term Loan, 7.00%, Maturing April 6, 2014 | 5,222,568 |
| Mediacom Broadband Group | | | |
| | 5,851,234 | Term Loan, 6.61%, Maturing January 31, 2015 | 5,683,011 |
| Mediacom Illinois, LLC | | | |
| | 2,763,864 | Term Loan, 6.61%, Maturing January 31, 2015 | 2,688,289 |
| NTL Investment Holdings, Ltd. | | | |
| | 2,492,490 | Term Loan, 7.22%, Maturing March 30, 2012 | 2,424,727 |
| GBP | 800,000 | Term Loan, 8.29%, Maturing March 30, 2012 | 1,613,461 |
| Orion Cable GmbH | | | |
| EUR | 1,075,000 | Term Loan, 7.03%, Maturing October 31, 2014 | 1,535,167 |
| EUR | 1,075,000 | Term Loan, 7.98%, Maturing October 31, 2015 | 1,542,943 |
| ProSiebenSat.1 Media AG | | | |
| EUR | 608,000 | Term Loan, 6.19%, Maturing March 2, 2015 ⁽²⁾ | 827,397 |
| EUR | 284,000 | Term Loan, 6.55%, Maturing June 26, 2015 | 395,437 |
| EUR | 608,000 | Term Loan, 6.40%, Maturing March 2, 2016 ⁽²⁾ | 830,036 |
| EUR | 575,000 | Term Loan, 6.93%, Maturing September 2, 2016 ⁽²⁾ | 769,490 |
| EUR | 375,568 | Term Loan, 7.78%, Maturing March 2, 2017 ⁽²⁾ | 508,941 |
| UPC Broadband Holding B.V. | | | |
| EUR | 4,050,000 | Term Loan, 6.30%, Maturing October 16, 2011 | 5,683,891 |

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| | | | |
|----------------------------------|-----------|--|---------------|
| | 1,950,000 | Term Loan, 7.13%, Maturing December 31, 2014 | 1,889,977 |
| YPSO Holding SA | | | |
| EUR | 1,000,000 | Term Loan, 6.68%, Maturing July 28, 2014 | 1,405,518 |
| EUR | 1,000,000 | Term Loan, 6.93%, Maturing July 28, 2015 | 1,416,459 |
| | | | \$ 64,468,978 |
| Chemicals and Plastics 10.2% | | | |
| AZ Chem US, Inc. | | | |
| \$ | 500,000 | Term Loan, Maturing February 28, 2014 ⁽³⁾ | \$ 456,666 |
| Brenntag Holding GmbH and Co. KG | | | |
| | 1,900,000 | Term Loan, 7.39%, Maturing December 23, 2013 | 1,862,395 |
| | 1,000,000 | Term Loan, 9.39%, Maturing December 23, 2015 | 961,875 |
| Celanese Holdings, LLC | | | |
| | 4,203,875 | Term Loan, 6.98%, Maturing April 2, 2014 | 4,137,315 |
| Cognis GmbH | | | |
| EUR | 1,000,000 | Term Loan, 6.73%, Maturing September 15, 2013 | 1,397,922 |
| First Chemical Holding | | | |
| EUR | 1,000,000 | Term Loan, 6.75%, Maturing December 18, 2014 ⁽²⁾ | 1,414,901 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|-------------------------------------|-----------|--|--------------|
| Chemicals and Plastics (continued) | | | |
| Foamex L.P. | | | |
| \$ | 1,744,950 | Term Loan, 7.44%, Maturing February 12, 2013 | \$ 1,682,423 |
| Georgia Gulf Corp. | | | |
| | 929,766 | Term Loan, 7.63%, Maturing October 3, 2013 | 919,790 |
| Hercules, Inc. | | | |
| | 579,675 | Term Loan, 6.71%, Maturing October 8, 2010 | 576,052 |
| Hexion Specialty Chemicals, Inc. | | | |
| | 498,750 | Term Loan, 7.44%, Maturing May 5, 2012 | 494,620 |
| | 5,460,900 | Term Loan, 7.50%, Maturing May 5, 2013 | 5,415,678 |
| Huish Detergents, Inc. | | | |
| | 947,625 | Term Loan, 7.20%, Maturing April 26, 2014 | 904,728 |
| INEOS Group | | | |
| | 1,608,750 | Term Loan, 7.36%, Maturing December 14, 2013 | 1,596,972 |
| | 1,608,750 | Term Loan, 7.86%, Maturing December 14, 2014 | 1,596,972 |
| Innophos, Inc. | | | |
| | 596,860 | Term Loan, 7.01%, Maturing August 10, 2010 | 592,384 |
| Invista B.V. | | | |
| | 3,822,448 | Term Loan, 6.70%, Maturing April 29, 2011 | 3,765,111 |
| ISP Chemco, Inc. | | | |
| | 2,593,500 | Term Loan, 7.09%, Maturing June 4, 2014 | 2,539,036 |
| Kleopatra | | | |
| EUR | 575,000 | Term Loan, 7.28%, Maturing January 3, 2016 | 766,717 |
| | 825,000 | Term Loan, 7.74%, Maturing January 3, 2016 | 746,625 |
| Kranton Polymers, LLC | | | |
| | 2,886,396 | Term Loan, 7.25%, Maturing May 12, 2013 | 2,821,453 |
| Lucite International Group Holdings | | | |
| | 816,829 | Term Loan, 7.45%, Maturing July 7, 2013 | 802,534 |
| Lyondell Chemical Co. | | | |
| | 3,960,000 | Term Loan, 6.25%, Maturing August 16, 2013 | 3,945,700 |
| MacDermid, Inc. | | | |
| EUR | 995,000 | Term Loan, 6.98%, Maturing April 12, 2014 | 1,396,331 |
| Millenium Inorganic Chemicals | | | |
| | 350,000 | Term Loan, 7.45%, Maturing April 30, 2014 | 340,229 |
| | 975,000 | | 916,500 |

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| | | | |
|------------------------------------|-----------|---|---------------|
| | | Term Loan, 10.95%, Maturing October 31, 2014 | |
| Momentive Performance Material | | | |
| | 1,712,063 | Term Loan, 7.81%, Maturing December 4, 2013 | 1,682,408 |
| Nalco Co. | | | |
| | 5,411,119 | Term Loan, 6.97%, Maturing November 4, 2010 | 5,389,815 |
| Professional Paint, Inc. | | | |
| | 715,938 | Term Loan, 7.64%, Maturing May 31, 2012 | 680,141 |
| | 350,000 | Term Loan, 11.56%, Maturing May 31, 2013 | 332,500 |
| Propex Fabrics, Inc. | | | |
| | 810,160 | Term Loan, 10.58%, Maturing July 31, 2012 | 725,094 |
| Rockwood Specialties Group, Inc. | | | |
| | 4,338,750 | Term Loan, 6.46%, Maturing December 10, 2012 | 4,276,111 |
| Principal Amount* | | Borrower/Tranche Description | Value |
| Chemicals and Plastics (continued) | | | |
| Solo Cup Co. | | | |
| \$ | 1,826,989 | Term Loan, 8.66%, Maturing February 27, 2011 | \$ 1,826,010 |
| Solutia, Inc. | | | |
| | 1,748,505 | DIP Loan, 8.06%, Maturing March 31, 2008 | 1,746,867 |
| Wellman, Inc. | | | |
| | 2,250,000 | Term Loan, 9.36%, Maturing February 10, 2009 | 2,199,937 |
| | | | \$ 60,909,812 |
| Clothing / Textiles 0.6% | | | |
| Hanesbrands, Inc. | | | |
| \$ | 1,570,500 | Term Loan, 6.74%, Maturing September 5, 2013 | \$ 1,553,127 |
| | 850,000 | Term Loan, 8.82%, Maturing March 5, 2014 | 855,844 |
| St. John Knits International, Inc. | | | |
| | 577,673 | Term Loan, 8.20%, Maturing March 23, 2012 | 569,008 |
| The William Carter Co. | | | |
| | 633,449 | Term Loan, 6.40%, Maturing July 14, 2012 | 624,079 |
| | | | \$ 3,602,058 |
| Conglomerates 3.5% | | | |
| Amsted Industries, Inc. | | | |
| \$ | 1,711,053 | Term Loan, 7.28%, Maturing October 15, 2010 | \$ 1,684,318 |
| Blount, Inc. | | | |
| | 340,422 | Term Loan, 6.88%, Maturing August 9, 2010 | 334,039 |
| Doncasters (Dunde HoldCo 4 Ltd.) | | | |
| | 431,763 | Term Loan, 7.61%, Maturing July 13, 2015 | 419,900 |
| | 431,763 | Term Loan, 8.11%, Maturing July 13, 2015 | 420,980 |
| GBP | 500,000 | Term Loan, 10.60%, Maturing January 13, 2016 | 1,004,918 |
| GenTek, Inc. | | | |

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| | | | |
|-------------------------------|-----------|---|-----------|
| | 505,008 | Term Loan, 7.34%, Maturing February 25, 2011 | 495,539 |
| Goodman Global Holdings, Inc. | | | |
| | 434,230 | Term Loan, 7.19%, Maturing December 23, 2011 | 423,375 |
| ISS Holdings A/S | | | |
| EUR | 1,200,000 | Term Loan, 6.73%, Maturing December 31, 2013 | 1,701,688 |
| Jarden Corp. | | | |
| | 3,370,825 | Term Loan, 6.95%, Maturing January 24, 2012 | 3,309,730 |
| Johnson Diversey, Inc. | | | |
| | 1,680,408 | Term Loan, 7.36%, Maturing December 16, 2011 | 1,662,553 |
| Polymer Group, Inc. | | | |
| | 2,529,938 | Term Loan, 7.29%, Maturing November 22, 2012 | 2,510,963 |
| RBS Global, Inc. | | | |
| | 1,284,836 | Term Loan, 7.60%, Maturing July 19, 2013 | 1,279,215 |
| | 296,250 | Term Loan, 7.64%, Maturing July 19, 2013 | 294,954 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|---------------------------------------|-----------|--|---------------|
| Conglomerates (continued) | | | |
| RGIS Holdings, LLC | | | |
| \$ | 23,810 | Term Loan, Maturing April 30, 2014 ⁽³⁾ | \$ 22,857 |
| | 476,190 | Term Loan, Maturing April 30, 2014 ⁽³⁾ | 457,143 |
| | 2,493,750 | Term Loan, 7.25%, Maturing April 30, 2014 | 2,401,485 |
| US Investigations Services, Inc. | | | |
| | 1,925,000 | Term Loan, Maturing February 21, 2015 ⁽³⁾ | 1,872,062 |
| Vertrue, Inc. | | | |
| | 850,000 | Term Loan, 8.20%, Maturing August 16, 2014 | 826,625 |
| | | | \$ 21,122,344 |
| Containers and Glass Products 4.5% | | | |
| Berry Plastics Corp. | | | |
| \$ | 1,890,500 | Term Loan, 7.36%, Maturing April 3, 2015 | \$ 1,839,693 |
| Bluegrass Container Co. | | | |
| | 375,250 | Term Loan, 7.29%, Maturing June 30, 2013 | 373,541 |
| | 1,254,125 | Term Loan, 7.32%, Maturing June 30, 2013 | 1,248,414 |
| | 1,175,000 | Term Loan, 9.75%, Maturing December 30, 2013 | 1,183,078 |
| Consolidated Container Co. | | | |
| | 1,000,000 | Term Loan, 10.66%, Maturing September 28, 2014 | 882,500 |
| Crown Americas, Inc. | | | |
| | 618,750 | Term Loan, 7.31%, Maturing November 15, 2012 | 611,531 |
| Graham Packaging Holdings Co. | | | |
| | 4,228,750 | Term Loan, 7.66%, Maturing October 7, 2011 | 4,155,407 |
| Graphic Packaging International, Inc. | | | |
| | 5,746,125 | Term Loan, 7.39%, Maturing May 16, 2014 | 5,718,934 |
| IPG (US), Inc. | | | |
| | 1,293,520 | Term Loan, 9.59%, Maturing July 28, 2011 | 1,283,819 |
| JSG Acquisitions | | | |
| | 1,845,000 | Term Loan, 7.12%, Maturing December 31, 2013 | 1,772,353 |
| | 1,845,000 | Term Loan, 7.37%, Maturing December 13, 2014 | 1,781,578 |
| Kranson Industries, Inc. | | | |
| | 842,292 | Term Loan, 7.45%, Maturing July 31, 2013 | 829,657 |
| Owens-Brockway Glass Container | | | |
| | 1,555,938 | Term Loan, 6.59%, Maturing June 14, 2013 | 1,531,141 |
| Smurfit-Stone Container Corp. | | | |

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| | | | |
|--|-----------|--|---------------|
| | 650,961 | Term Loan, 5.02%, Maturing November 1, 2011 | 645,773 |
| | 632,134 | Term Loan, 7.19%, Maturing November 1, 2011 | 627,097 |
| | 969,092 | Term Loan, 7.43%, Maturing November 1, 2011 | 961,370 |
| | 1,435,206 | Term Loan, 7.52%, Maturing November 1, 2011 | 1,423,768 |
| | | | \$ 26,869,654 |

| Principal Amount* | | Borrower/Tranche Description | Value |
|--|-----------|--|--------------|
| Cosmetics / Toiletries 0.7% | | | |
| American Safety Razor Co. | | | |
| \$ | 498,737 | Term Loan, 7.51%, Maturing July 31, 2013 | \$ 493,750 |
| | 900,000 | Term Loan, 11.69%, Maturing July 31, 2014 | 900,000 |
| Bausch & Lomb, Inc. | | | |
| | 110,000 | Term Loan, Maturing April 30, 2015 ⁽³⁾ | 110,309 |
| | 440,000 | Term Loan, Maturing April 30, 2015 ⁽³⁾ | 441,238 |
| KIK Custom Products, Inc. | | | |
| | 975,000 | Term Loan, 10.20%, Maturing November 30, 2014 | 814,125 |
| Prestige Brands, Inc. | | | |
| | 1,577,472 | Term Loan, 7.73%, Maturing April 7, 2011 | 1,569,585 |
| | | | \$ 4,329,007 |
| Drugs 1.3% | | | |
| Graceway Pharmaceuticals, LLC | | | |
| \$ | 811,250 | Term Loan, 7.95%, Maturing May 3, 2012 | \$ 778,192 |
| | 1,000,000 | Term Loan, 11.70%, Maturing May 3, 2013 | 915,000 |
| | 275,000 | Term Loan, 13.45%, Maturing November 3, 2013 | 233,750 |
| Pharmaceutical Holdings Corp. | | | |
| | 658,125 | Term Loan, 8.07%, Maturing January 30, 2012 | 641,672 |
| Stiefel Laboratories, Inc. | | | |
| | 1,736,875 | Term Loan, 7.50%, Maturing December 28, 2013 | 1,704,309 |
| Warner Chilcott Corp. | | | |
| | 740,076 | Term Loan, 7.20%, Maturing January 18, 2012 | 730,085 |
| | 2,472,818 | Term Loan, 7.24%, Maturing January 18, 2012 | 2,439,435 |
| | | | \$ 7,442,443 |
| Ecological Services and Equipment 2.3% | | | |
| Allied Waste Industries, Inc. | | | |
| \$ | 1,284,460 | Term Loan, 5.50%, Maturing January 15, 2012 | \$ 1,263,186 |
| | 2,387,805 | Term Loan, 6.54%, Maturing January 15, 2012 | 2,348,258 |
| Blue Waste B.V. (AVR Acquisition) | | | |
| EUR | 1,000,000 | Term Loan, 6.98%, Maturing April 1, 2015 | 1,421,733 |
| Cory Environmental Holdings | | | |
| GBP | 500,000 | Term Loan, 10.05%, Maturing September 30, 2014 | 1,030,236 |

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Environmental Systems Products Holdings, Inc.

| | | | |
|--|-----------|---|-----------|
| | 1,165,123 | Term Loan, 13.75%, Maturing December 12, 2010 ⁽⁴⁾ | 1,165,123 |
|--|-----------|---|-----------|

IESI Corp.

| | | | |
|--|---------|--|---------|
| | 970,588 | Term Loan, 7.17%, Maturing January 20, 2012 | 944,503 |
|--|---------|--|---------|

Kemble Water Structure Ltd.

| | | | |
|-----|-----------|---|-----------|
| GBP | 1,250,000 | Term Loan, 10.05%, Maturing October 13, 2013 | 2,552,868 |
|-----|-----------|---|-----------|

Sensus Metering Systems, Inc.

| | | | |
|--|-----------|---|-----------|
| | 2,243,478 | Term Loan, 7.26%, Maturing December 17, 2010 | 2,209,826 |
|--|-----------|---|-----------|

| | | | |
|--|---------|---|---------|
| | 145,761 | Term Loan, 7.36%, Maturing December 17, 2010 | 143,575 |
|--|---------|---|---------|

Waste Services, Inc.

| | | | |
|--|---------|--|---------|
| | 750,000 | Term Loan, 7.38%, Maturing March 31, 2011 | 738,750 |
|--|---------|--|---------|

\$ 13,818,058

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|-------------------------------------|-----------|--|---------------|
| Electronics / Electrical | 4.4% | | |
| AMI Semiconductor, Inc. | | | |
| \$ | 1,813,095 | Term Loan, 6.82%, Maturing April 1, 2012 | \$ 1,754,169 |
| Aspect Software, Inc. | | | |
| | 2,004,750 | Term Loan, 8.25%, Maturing July 11, 2011 | 1,944,607 |
| | 1,800,000 | Term Loan, 12.31%, Maturing July 11, 2013 | 1,728,000 |
| EnerSys Capital, Inc. | | | |
| | 1,064,456 | Term Loan, 7.07%, Maturing March 17, 2011 | 1,045,828 |
| FCI International S.A.S. | | | |
| | 850,000 | Term Loan, 7.76%, Maturing November 1, 2013 | 822,694 |
| Freescale Semiconductor, Inc. | | | |
| | 4,292,563 | Term Loan, 7.33%, Maturing December 1, 2013 | 4,129,733 |
| Infor Enterprise Solutions Holdings | | | |
| | 4,483,491 | Term Loan, 8.95%, Maturing July 28, 2012 | 4,371,403 |
| | 500,000 | Term Loan, 10.70%, Maturing March 2, 2014 | 471,250 |
| | 500,000 | Term Loan, 11.45%, Maturing March 2, 2014 | 471,250 |
| Network Solutions, LLC | | | |
| | 732,800 | Term Loan, 7.61%, Maturing March 7, 2014 | 696,160 |
| Open Solutions, Inc. | | | |
| | 2,089,868 | Term Loan, 7.28%, Maturing January 23, 2014 | 2,004,968 |
| Sensata Technologies Finance Co. | | | |
| | 1,782,462 | Term Loan, 6.76%, Maturing April 27, 2013 | 1,738,696 |
| Spectrum Brands, Inc. | | | |
| | 57,701 | Term Loan, 4.97%, Maturing March 30, 2013 | 56,922 |
| | 1,164,380 | Term Loan, 9.37%, Maturing March 30, 2013 | 1,148,661 |
| TTM Technologies, Inc. | | | |
| | 334,125 | Term Loan, 7.22%, Maturing October 27, 2012 | 332,872 |
| VeriFone, Inc. | | | |
| | 732,375 | Term Loan, 6.71%, Maturing October 31, 2013 | 729,629 |
| Vertafore, Inc. | | | |
| | 2,238,764 | Term Loan, 8.01%, Maturing January 31, 2012 | 2,207,981 |
| | 850,000 | Term Loan, 11.51%, Maturing January 31, 2013 | 826,625 |
| | | | \$ 26,481,448 |
| Equipment Leasing | 1.5% | | |
| AWAS Capital, Inc. | | | |

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| | | | | |
|---------------------------------|-----|-----------|--|---------------|
| | \$ | 2,102,124 | Term Loan, 11.25%, Maturing March 22, 2013 | \$ 2,070,593 |
| Maxim Crane Works, L.P. | | | | |
| | | 872,813 | Term Loan, 6.81%, Maturing June 29, 2014 | 829,172 |
| The Hertz Corp. | | | | |
| | | 400,000 | Term Loan, 5.24%, Maturing December 21, 2012 | 394,518 |
| | | 2,223,242 | Term Loan, 6.87%, Maturing December 21, 2012 | 2,192,772 |
| United Rentals, Inc. | | | | |
| | | 1,030,874 | Term Loan, 5.32%, Maturing February 14, 2011 | 1,027,781 |
| | | 2,450,698 | Term Loan, 7.13%, Maturing February 14, 2011 | 2,443,346 |
| | | | | \$ 8,958,182 |
| Principal Amount* | | | | |
| | | | Borrower/Tranche Description | Value |
| Farming / Agriculture 0.5% | | | | |
| BF Bolthouse HoldCo, LLC | | | | |
| | \$ | 1,150,000 | Term Loan, 10.70%, Maturing December 16, 2013 | \$ 1,147,485 |
| Central Garden & Pet Co. | | | | |
| | | 2,043,875 | Term Loan, 6.56%, Maturing February 28, 2014 | 1,880,365 |
| | | | | \$ 3,027,850 |
| Financial Intermediaries 1.8% | | | | |
| Citco III, Ltd. | | | | |
| | \$ | 1,275,000 | Term Loan, 7.63%, Maturing June 30, 2014 | \$ 1,239,937 |
| Coinstar, Inc. | | | | |
| | | 519,440 | Term Loan, 7.13%, Maturing July 7, 2011 | 518,791 |
| Grosvenor Capital Management | | | | |
| | | 1,535,592 | Term Loan, 7.33%, Maturing December 5, 2013 | 1,512,558 |
| INVESTools, Inc. | | | | |
| | | 450,000 | Term Loan, 8.45%, Maturing August 13, 2012 | 441,000 |
| Jupiter Asset Management Group | | | | |
| | GBP | 447,059 | Term Loan, 8.74%, Maturing June 30, 2015 | 888,415 |
| LPL Holdings, Inc. | | | | |
| | | 3,570,874 | Term Loan, 7.20%, Maturing December 18, 2014 | 3,526,238 |
| Oxford Acquisition III, Ltd. | | | | |
| | | 929,820 | Term Loan, 6.90%, Maturing May 24, 2014 | 884,823 |
| RJO Holdings Corp. (RJ O'Brien) | | | | |
| | | 475,000 | Term Loan, 7.76%, Maturing July 31, 2014 | 437,594 |
| Travelex America Holdings, Inc. | | | | |
| | | 375,000 | Term Loan, Maturing October 31, 2013 ⁽³⁾ | 367,500 |
| | | 375,000 | Term Loan, Maturing October 31, 2014 ⁽³⁾ | 369,375 |
| | | | | \$ 10,186,231 |
| Food Products 4.3% | | | | |
| Acosta, Inc. | | | | |

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| | | | | | |
|-----------------------------------|-----|-----------|---|----|-----------|
| | \$ | 3,063,106 | Term Loan, 7.01%, Maturing July 28, 2013 | \$ | 3,001,844 |
| Advantage Sales & Marketing, Inc. | | | | | |
| | | 1,260,949 | Term Loan, 6.94%, Maturing March 29, 2013 | | 1,218,392 |
| Black Lion Beverages III B.V. | | | | | |
| | EUR | 147,059 | Term Loan, 6.31%, Maturing December 31, 2013 | | 208,053 |
| | EUR | 852,941 | Term Loan, 6.31%, Maturing December 31, 2014 | | 1,206,710 |
| Chiquita Brands, LLC | | | | | |
| | | 1,036,292 | Term Loan, 7.88%, Maturing June 28, 2012 | | 1,021,827 |
| Dean Foods Co. | | | | | |
| | | 3,457,625 | Term Loan, 6.70%, Maturing April 2, 2014 | | 3,354,484 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|-------------------------------|-----------|---|---------------|
| Food Products (continued) | | | |
| Dole Food Company, Inc. | | | |
| \$ | 162,791 | Term Loan, 5.16%, Maturing April 12, 2013 | \$ 158,370 |
| | 1,202,616 | Term Loan, 7.41%, Maturing April 12, 2013 | 1,169,962 |
| | 360,785 | Term Loan, 7.57%, Maturing April 12, 2013 | 350,988 |
| Michael Foods, Inc. | | | |
| | 3,152,042 | Term Loan, 7.36%, Maturing November 21, 2010 | 3,112,642 |
| National Dairy Holdings, L.P. | | | |
| | 719,543 | Term Loan, 6.82%, Maturing March 15, 2012 | 703,353 |
| Pinnacle Foods Finance, LLC | | | |
| | 3,765,563 | Term Loan, 7.95%, Maturing April 2, 2014 | 3,649,233 |
| Provimi Group SA | | | |
| EUR | 750,000 | Term Loan, Maturing June 28, 2015 ⁽³⁾ | 1,053,189 |
| EUR | 384,472 | Term Loan, 6.60%, Maturing June 28, 2015 | 539,895 |
| EUR | 282,055 | Term Loan, 6.60%, Maturing June 28, 2015 | 396,076 |
| EUR | 559,105 | Term Loan, 6.62%, Maturing June 28, 2015 ⁽²⁾ | 785,123 |
| EUR | 324,424 | Term Loan, 6.62%, Maturing June 28, 2015 ⁽²⁾ | 455,572 |
| | 294,112 | Term Loan, 7.37%, Maturing June 28, 2015 | 285,472 |
| EUR | 46,773 | Term Loan, 8.63%, Maturing June 28, 2015 ⁽²⁾ | 63,779 |
| EUR | 697,446 | Term Loan, 8.60%, Maturing December 28, 2016 ⁽²⁾ | 951,010 |
| | 282,126 | Term Loan, 9.37%, Maturing December 28, 2016 ⁽²⁾ | 265,903 |
| Reddy Ice Group, Inc. | | | |
| | 1,970,000 | Term Loan, 7.00%, Maturing August 9, 2012 | 1,935,525 |
| | | | \$ 25,887,402 |
| Food Service 2.9% | | | |
| AFC Enterprises, Inc. | | | |
| \$ | 464,266 | Term Loan, 7.50%, Maturing May 23, 2009 | \$ 456,722 |
| Aramark Corp. | | | |
| | 203,414 | Term Loan, 5.20%, Maturing January 26, 2014 | 198,863 |
| | 2,842,419 | Term Loan, 7.20%, Maturing January 26, 2014 | 2,778,820 |
| GBP | 992,500 | Term Loan, 8.44%, Maturing January 27, 2014 | 2,010,226 |
| Buffets, Inc. | | | |
| | 186,667 | Term Loan, 5.10%, Maturing May 1, 2013 | 169,750 |

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| | | | |
|---------------------------------|-----------|---|---------------|
| | 1,402,733 | Term Loan, 8.54%, Maturing November 1, 2013 | 1,275,611 |
| Burger King Corp. | | | |
| | 1,078,126 | Term Loan, 6.75%, Maturing June 30, 2012 | 1,068,153 |
| CBRL Group, Inc. | | | |
| | 1,767,239 | Term Loan, 6.86%, Maturing April 27, 2013 | 1,723,058 |
| Denny's, Inc. | | | |
| | 133,333 | Term Loan, 5.12%, Maturing March 31, 2012 | 131,667 |
| | 683,380 | Term Loan, 7.26%, Maturing March 31, 2012 | 674,837 |
| JRD Holdings, Inc. | | | |
| | 750,000 | Term Loan, Maturing June 26, 2014 ⁽³⁾ | 729,375 |
| | 629,686 | Term Loan, 7.74%, Maturing June 26, 2014 | 622,719 |
| NPC International, Inc. | | | |
| | 380,000 | Term Loan, 6.98%, Maturing May 3, 2013 | 366,700 |
| Principal Amount* | | Borrower/Tranche Description | Value |
| Food Service (continued) | | | |
| OSI Restaurant Partners, LLC | | | |
| \$ | 113,342 | Term Loan, 5.52%, Maturing May 9, 2013 | \$ 109,488 |
| | 1,433,066 | Term Loan, 7.06%, Maturing May 9, 2014 | 1,384,342 |
| QCE Finance, LLC | | | |
| | 1,238,097 | Term Loan, 7.45%, Maturing May 5, 2013 | 1,202,416 |
| | 950,000 | Term Loan, 10.95%, Maturing November 5, 2013 | 913,900 |
| Sagittarius Restaurants, LLC | | | |
| | 394,000 | Term Loan, 7.45%, Maturing March 29, 2013 | 364,450 |
| Selecta | | | |
| EUR | 741,246 | Term Loan, 8.37%, Maturing December 28, 2015 | 991,968 |
| | | | \$ 17,173,065 |
| Food / Drug Retailers 2.6% | | | |
| General Nutrition Centers, Inc. | | | |
| \$ | 900,000 | Term Loan, Maturing September 16, 2013 ⁽³⁾ | \$ 837,000 |
| | 1,044,750 | Term Loan, 7.48%, Maturing September 16, 2013 | 1,018,414 |
| Iceland Foods Group, Ltd. | | | |
| GBP | 1,250,000 | Term Loan, 8.93%, Maturing May 2, 2014 | 2,590,196 |
| GBP | 1,250,000 | Term Loan, 9.43%, Maturing May 2, 2015 | 2,603,179 |
| Krispy Kreme Doughnut Corp. | | | |
| | 396,582 | Term Loan, 7.71%, Maturing February 16, 2014 | 376,753 |
| Pantry, Inc. (The) | | | |
| | 238,889 | Term Loan, 0.00%, Maturing May 15, 2014 ⁽²⁾ | 231,872 |
| | 834,021 | Term Loan, 6.51%, Maturing May 15, 2014 | 809,521 |
| Rite Aid Corp. | | | |

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| | | | |
|-----------------------------|-----------|--|---------------|
| | 3,900,000 | Term Loan, 6.79%, Maturing June 1, 2014 | 3,802,500 |
| Roundy's Supermarkets, Inc. | | | |
| | 3,365,319 | Term Loan, 8.46%, Maturing November 3, 2011 | 3,354,103 |
| | | | \$ 15,623,538 |
| Forest Products 2.8% | | | |
| Appleton Papers, Inc. | | | |
| \$ | 1,346,625 | Term Loan, 7.02%, Maturing June 5, 2014 | \$ 1,298,231 |
| Boise Cascade Holdings, LLC | | | |
| | 3,414,339 | Term Loan, 6.49%, Maturing April 30, 2014 | 3,394,707 |
| | 768,503 | Term Loan, 6.72%, Maturing April 30, 2014 | 764,084 |
| Georgia-Pacific Corp. | | | |
| | 8,695,125 | Term Loan, 7.41%, Maturing December 20, 2012 | 8,503,363 |
| NewPage Corp. | | | |
| | 1,762,160 | Term Loan, 7.47%, Maturing May 2, 2011 | 1,748,944 |
| Xerium Technologies, Inc. | | | |
| | 1,253,971 | Term Loan, 7.95%, Maturing May 18, 2012 | 1,189,705 |
| | | | \$ 16,899,034 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|--------------------------------|-----------|---|--------------|
| Healthcare | 13.1% | | |
| Accellent, Inc. | | | |
| \$ | 2,331,236 | Term Loan, 8.01%, Maturing November 22, 2012 | \$ 2,226,330 |
| Alliance Imaging, Inc. | | | |
| | 1,066,583 | Term Loan, 7.63%, Maturing December 29, 2011 | 1,058,584 |
| American Medical Systems | | | |
| | 1,467,908 | Term Loan, 7.57%, Maturing July 20, 2012 | 1,433,045 |
| AMN Healthcare, Inc. | | | |
| | 350,984 | Term Loan, 6.95%, Maturing November 2, 2011 | 342,100 |
| AMR HoldCo, Inc. | | | |
| | 1,884,045 | Term Loan, 7.71%, Maturing February 10, 2012 | 1,842,831 |
| Biomet, Inc. | | | |
| EUR | 1,225,000 | Term Loan, 7.72%, Maturing December 26, 2014 | 1,762,300 |
| | 2,750,000 | Term Loan, 8.20%, Maturing December 26, 2014 | 2,740,468 |
| Capiro AB | | | |
| EUR | 500,000 | Term Loan, 6.85%, Maturing April 24, 2015 | 713,428 |
| EUR | 500,000 | Term Loan, 6.98%, Maturing April 16, 2016 | 717,046 |
| Cardinal Health 409, Inc. | | | |
| | 2,269,313 | Term Loan, 7.45%, Maturing April 10, 2014 | 2,186,696 |
| Carestream Health, Inc. | | | |
| | 2,550,000 | Term Loan, 7.11%, Maturing April 30, 2013 | 2,472,704 |
| | 1,000,000 | Term Loan, 10.30%, Maturing October 30, 2013 | 978,333 |
| Carl Zeiss Vision Holding GmbH | | | |
| | 1,300,000 | Term Loan, 7.64%, Maturing March 23, 2015 | 1,271,833 |
| Community Health Systems, Inc. | | | |
| | 513,534 | Term Loan, 0.00%, Maturing July 25, 2014 ⁽²⁾ | 502,301 |
| | 7,786,466 | Term Loan, 7.76%, Maturing July 25, 2014 | 7,616,137 |
| Concentra, Inc. | | | |
| | 600,000 | Term Loan, 10.70%, Maturing June 25, 2015 | 564,750 |
| ConMed Corp. | | | |
| | 483,389 | Term Loan, 6.32%, Maturing April 13, 2013 | 476,138 |
| CRC Health Corp. | | | |
| | 987,525 | Term Loan, 7.45%, Maturing February 6, 2013 | 965,923 |
| Dako EQT Project Delphi | | | |
| | 500,000 | | 465,000 |

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| | | | |
|-------------------------------------|-----------|---|------------|
| | | Term Loan, 8.98%, Maturing December 12, 2016 | |
| DaVita, Inc. | | Term Loan, 6.75%, Maturing October 5, 2012 | 3,971,255 |
| | 4,047,997 | | |
| Encore Medical Finance, LLC | | Term Loan, 7.84%, Maturing November 3, 2013 | 1,804,094 |
| | 1,808,616 | | |
| Fenwal, Inc. | | Term Loan, 10.79%, Maturing August 28, 2014 | 477,500 |
| | 500,000 | | |
| FGX International, Inc. | | Term Loan, 9.65%, Maturing December 12, 2012 | 415,109 |
| | 427,948 | | |
| Principal Amount* | | Borrower/Tranche Description | Value |
| Healthcare (continued) | | | |
| FHC Health Systems, Inc. | | | |
| | \$ | Term Loan, 12.33%, Maturing December 18, 2009 | \$ 372,634 |
| | 367,127 | | |
| | | Term Loan, 14.33%, Maturing December 18, 2009 | 260,844 |
| | 256,989 | | |
| | | Term Loan, 15.33%, Maturing February 7, 2011 | 505,000 |
| | 500,000 | | |
| Fresenius Medical Care Holdings | | | |
| | | Term Loan, 6.70%, Maturing March 31, 2013 | 2,470,799 |
| | 2,497,924 | | |
| Hanger Orthopedic Group, Inc. | | | |
| | | Term Loan, 7.45%, Maturing May 30, 2013 | 702,071 |
| | 715,942 | | |
| HCA, Inc. | | | |
| | | Term Loan, 7.45%, Maturing November 18, 2013 | 6,580,801 |
| | 6,724,188 | | |
| Health Management Association, Inc. | | | |
| | | Term Loan, 6.94%, Maturing February 28, 2014 | 2,931,815 |
| | 3,061,059 | | |
| HealthSouth Corp. | | | |
| | | Term Loan, 7.63%, Maturing March 10, 2013 | 1,570,509 |
| | 1,600,889 | | |
| Iasis Healthcare, LLC | | | |
| | | Term Loan, 6.79%, Maturing March 14, 2014 | 74,469 |
| | 77,901 | | |
| | | Term Loan, 7.07%, Maturing March 14, 2014 | 813,210 |
| | 850,693 | | |
| | | Term Loan, 7.70%, Maturing March 14, 2014 ⁽²⁾ | 279,259 |
| | 292,130 | | |
| Ikaria Acquisition, Inc. | | | |
| | | Term Loan, 7.70%, Maturing March 28, 2013 | 539,417 |
| | 550,426 | | |
| IM US Holdings, LLC | | | |
| | | Term Loan, 9.45%, Maturing June 26, 2015 | 623,828 |
| | 625,000 | | |
| Invacare Corp. | | | |
| | | Term Loan, 7.11%, Maturing February 12, 2013 | 991,562 |
| | 1,017,313 | | |
| Leiner Health Products, Inc. | | | |
| | | Term Loan, 9.65%, Maturing May 27, 2011 | 912,925 |
| | 962,663 | | |
| LifeCare Holdings, Inc. | | | |
| | | Term Loan, 8.20%, Maturing August 11, 2012 | 799,619 |
| | 857,500 | | |

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| | | | |
|----------------------------------|-----------|---|-----------|
| LifePoint Hospitals, Inc. | | | |
| | 2,063,187 | Term Loan, 7.17%, Maturing April 15, 2012 | 2,027,450 |
| Magellan Health Services, Inc. | | | |
| | 1,111,111 | Term Loan, 5.01%, Maturing August 15, 2008 | 1,088,889 |
| | 416,667 | Term Loan, 6.87%, Maturing August 15, 2008 | 408,333 |
| Matria Healthcare, Inc. | | | |
| | 1,000,000 | Term Loan, Maturing January 19, 2012 ⁽³⁾ | 982,500 |
| | 161,817 | Term Loan, 7.50%, Maturing January 19, 2012 | 156,081 |
| MultiPlan Merger Corp. | | | |
| | 1,946,987 | Term Loan, 7.25%, Maturing April 12, 2013 | 1,909,669 |
| National Mentor Holdings, Inc. | | | |
| | 61,600 | Term Loan, 5.32%, Maturing June 29, 2013 | 60,368 |
| | 1,025,420 | Term Loan, 7.20%, Maturing June 29, 2013 | 1,004,912 |
| National Rental Institutes, Inc. | | | |
| | 864,063 | Term Loan, 7.50%, Maturing March 31, 2013 | 846,781 |
| Nyco Holdings | | | |
| EUR | 1,000,000 | Term Loan, 7.21%, Maturing December 29, 2014 | 1,355,062 |
| EUR | 1,000,000 | Term Loan, 7.71%, Maturing December 29, 2015 | 1,361,573 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|----------------------------------|-----------|--|---------------|
| Healthcare (continued) | | | |
| Physiotherapy Associates, Inc. | | | |
| \$ | 847,875 | Term Loan, 9.50%, Maturing June 27, 2013 | \$ 809,721 |
| RadNet Management, Inc. | | | |
| | 545,876 | Term Loan, 9.22%, Maturing November 15, 2012 | 547,240 |
| ReAble Therapeutics Finance, LLC | | | |
| | 2,675,227 | Term Loan, 7.45%, Maturing November 16, 2013 | 2,635,099 |
| Renal Advantage, Inc. | | | |
| | 343,111 | Term Loan, 8.10%, Maturing October 5, 2012 | 335,820 |
| Select Medical Holding Corp. | | | |
| | 2,143,800 | Term Loan, 7.48%, Maturing February 24, 2012 | 2,062,513 |
| Sunrise Medical Holdings, Inc. | | | |
| | 675,653 | Term Loan, 9.42%, Maturing May 13, 2010 | 608,088 |
| Vanguard Health Holding Co., LLC | | | |
| | 2,176,709 | Term Loan, 7.45%, Maturing September 23, 2011 | 2,133,857 |
| Viant Holdings, Inc. | | | |
| | 523,688 | Term Loan, 7.45%, Maturing June 25, 2014 | 490,957 |
| | | | \$ 78,257,580 |
| Home Furnishings 1.7% | | | |
| Hunter Fan Co. | | | |
| \$ | 49,286 | Term Loan, 0.00%, Maturing April 16, 2014 ⁽²⁾ | \$ 44,850 |
| | 524,523 | Term Loan, 8.03%, Maturing April 16, 2014 | 477,316 |
| Interline Brands, Inc. | | | |
| | 1,675,638 | Term Loan, 6.57%, Maturing June 23, 2013 | 1,640,031 |
| National Bedding Co., LLC | | | |
| | 496,250 | Term Loan, 7.09%, Maturing August 31, 2011 | 469,577 |
| | 1,050,000 | Term Loan, 9.75%, Maturing August 31, 2012 | 973,875 |
| Sealy Mattress Co. | | | |
| | 2,978,571 | Term Loan, 6.78%, Maturing August 25, 2011 | 2,919,000 |
| Simmons Co. | | | |
| | 2,889,682 | Term Loan, 7.36%, Maturing December 19, 2011 | 2,846,337 |
| | 1,000,000 | Term Loan, 10.65%, Maturing February 15, 2012 | 935,000 |
| | | | \$ 10,305,986 |
| Industrial Equipment 3.6% | | | |
| Aearo Technologies, Inc. | | | |
| \$ | 400,000 | | \$ 386,000 |

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| Principal Amount* | Borrower/Tranche Description | Value |
|----------------------------------|---|--------------|
| | Term Loan, 10.70%, Maturing September 24, 2013 | |
| 698,250 | Term Loan, 7.45%, Maturing July 2, 2014 | 676,866 |
| Alliance Laundry Holdings, LLC | | |
| 824,548 | Term Loan, 7.86%, Maturing January 27, 2012 | 820,425 |
| CEVA Group PLC U.S. | | |
| 2,282,690 | Term Loan, 7.75%, Maturing January 4, 2014 | 2,248,450 |
| 1,071,000 | Term Loan, 8.13%, Maturing January 4, 2014 | 1,054,935 |
| 833,485 | Term Loan, 8.20%, Maturing January 4, 2014 | 820,983 |
| Industrial Equipment (continued) | | |
| Flowserve Corp. | | |
| \$ 1,995,198 | Term Loan, 6.78%, Maturing August 10, 2012 | \$ 1,966,517 |
| FR Brand Acquisition Corp. | | |
| 746,250 | Term Loan, 7.53%, Maturing February 7, 2014 | 717,333 |
| Generac Acquisition Corp. | | |
| 1,782,000 | Term Loan, 7.73%, Maturing November 7, 2013 | 1,578,979 |
| 500,000 | Term Loan, 11.23%, Maturing April 7, 2014 | 363,958 |
| Gleason Corp. | | |
| 568,403 | Term Loan, 7.17%, Maturing June 30, 2013 | 563,430 |
| 138,408 | Term Loan, 7.42%, Maturing June 30, 2013 | 137,197 |
| Goodyear Engineering Products | | |
| 148,438 | Term Loan, 0.00%, Maturing July 13, 2014 ⁽²⁾ | 146,087 |
| 1,039,063 | Term loan, 7.46%, Maturing July 13, 2014 | 1,022,611 |
| 775,000 | Term Loan, 10.71%, Maturing July 13, 2015 | 750,458 |
| Itron, Inc. | | |
| EUR 380,090 | Term Loan, 6.73%, Maturing April 18, 2014 | 544,396 |
| Jason, Inc. | | |
| 448,875 | Term Loan, 8.03%, Maturing April 30, 2010 | 437,653 |
| John Maneely Co. | | |
| 2,906,844 | Term Loan, 8.52%, Maturing December 8, 2013 | 2,717,899 |
| KION Group GmbH | | |
| 250,000 | Term Loan, 7.49%, Maturing December 23, 2014 | 246,051 |
| 250,000 | Term Loan, 7.74%, Maturing December 23, 2015 | 247,074 |
| Polypore, Inc. | | |
| 3,017,438 | Term Loan, 7.07%, Maturing July 3, 2014 | 2,945,773 |
| Terex Corp. | | |
| 715,938 | Term Loan, 6.95%, Maturing July 13, 2013 | 712,358 |
| TFS Acquisition Corp. | | |

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| | | | |
|--------------------------------------|------------|--|---------------|
| | 693,000 | Term Loan, 8.70%, Maturing August 11, 2013 | 682,605 |
| | | | \$ 21,788,038 |
| Insurance 1.9% | | | |
| Alliant Holdings I, Inc. | | | |
| | \$ 975,000 | Term Loan, Maturing August 21, 2014 ⁽³⁾ | \$ 965,250 |
| AmWINS Group, Inc. | | | |
| | 500,000 | Term Loan, 11.07%, Maturing June 8, 2014 | 457,500 |
| Applied Systems, Inc. | | | |
| | 1,336,500 | Term Loan, 7.42%, Maturing September 26, 2013 | 1,309,770 |
| CCC Information Services Group, Inc. | | | |
| | 604,852 | Term Loan, 7.71%, Maturing February 10, 2013 | 599,559 |
| Conseco, Inc. | | | |
| | 3,495,376 | Term Loan, 6.82%, Maturing October 10, 2013 | 3,348,280 |
| Crawford & Company | | | |
| | 1,252,667 | Term Loan, 7.45%, Maturing October 31, 2013 | 1,230,745 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|--|-----------|---|---------------|
| Insurance (continued) | | | |
| Crump Group, Inc. | | | |
| \$ | 1,050,000 | Term Loan, Maturing August 4, 2014 ⁽³⁾ | \$ 1,034,250 |
| Hub International Holdings, Inc. | | | |
| | 150,862 | Term Loan, 8.01%, Maturing June 13, 2014 ⁽²⁾ | 148,127 |
| | 672,335 | Term Loan, 8.20%, Maturing June 13, 2014 | 660,148 |
| U.S.I. Holdings Corp. | | | |
| | 1,845,375 | Term Loan, 7.95%, Maturing May 4, 2014 | 1,817,694 |
| | | | \$ 11,571,323 |
| Leisure Goods / Activities / Movies 8.9% | | | |
| 24 Hour Fitness Worldwide, Inc. | | | |
| \$ | 1,649,875 | Term Loan, 7.81%, Maturing June 8, 2012 | \$ 1,625,127 |
| AMC Entertainment, Inc. | | | |
| | 1,842,188 | Term Loan, 6.61%, Maturing January 26, 2013 | 1,813,260 |
| AMF Bowling Worldwide, Inc. | | | |
| | 1,000,000 | Term Loan, 11.81%, Maturing December 8, 2013 | 970,000 |
| Bombardier Recreational Product | | | |
| | 1,822,785 | Term Loan, 7.70%, Maturing June 28, 2013 | 1,774,937 |
| Butterfly Wendel US, Inc. | | | |
| | 300,000 | Term Loan, 8.14%, Maturing June 22, 2013 | 281,750 |
| | 300,000 | Term Loan, 7.89%, Maturing June 22, 2014 | 280,250 |
| Carmike Cinemas, Inc. | | | |
| | 992,462 | Term Loan, 9.23%, Maturing May 19, 2012 | 990,808 |
| Cedar Fair, L.P. | | | |
| | 4,004,337 | Term Loan, 6.75%, Maturing August 30, 2012 | 3,931,759 |
| Cinemark, Inc. | | | |
| | 3,590,317 | Term Loan, 7.25%, Maturing October 5, 2013 | 3,516,267 |
| Deluxe Entertainment Services | | | |
| | 59,055 | Term Loan, 5.10%, Maturing January 28, 2011 | 57,431 |
| | 1,393,701 | Term Loan, 7.45%, Maturing January 28, 2011 | 1,355,374 |
| Easton-Bell Sports, Inc. | | | |
| | 1,286,082 | Term Loan, 6.85%, Maturing March 16, 2012 | 1,249,711 |
| HEI Acquisition, LLC | | | |
| | 1,925,000 | Term Loan, 9.02%, Maturing April 13, 2014 | 1,886,500 |
| Mega Blocks, Inc. | | | |

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| | | | |
|---|-----------|--|---------------|
| | 1,612,875 | Term Loan, 7.25%, Maturing July 26, 2012 | 1,550,376 |
| Metro-Goldwyn-Mayer Holdings, Inc. | | | |
| | 7,936,582 | Term Loan, 8.45%, Maturing April 8, 2012 | 7,629,039 |
| National CineMedia, LLC | | | |
| | 1,250,000 | Term Loan, 7.46%, Maturing February 13, 2015 | 1,210,156 |
| Regal Cinemas Corp. | | | |
| | 4,009,501 | Term Loan, 6.70%, Maturing November 10, 2010 | 3,926,348 |
| Revolution Studios Distribution Co., LLC | | | |
| | 1,274,721 | Term Loan, 8.51%, Maturing December 21, 2014 | 1,268,347 |
| | 800,000 | Term Loan, 11.76%, Maturing June 21, 2015 | 788,000 |
| Principal Amount* | | Borrower/Tranche Description | Value |
| Leisure Goods / Activities / Movies (continued) | | | |
| Six Flags Theme Parks, Inc. | | | |
| \$ | 3,142,125 | Term Loan, 7.75%, Maturing April 30, 2015 | \$ 3,001,713 |
| Southwest Sports Group, LLC | | | |
| | 1,875,000 | Term Loan, 7.75%, Maturing December 22, 2010 | 1,842,187 |
| Universal City Development Partners, Ltd. | | | |
| | 1,721,345 | Term Loan, 7.33%, Maturing June 9, 2011 | 1,706,284 |
| WMG Acquisition Corp. | | | |
| | 875,000 | Revolving Loan, 0.00%, Maturing February 28, 2010 ⁽²⁾ | 849,844 |
| | 9,722,387 | Term Loan, 7.42%, Maturing February 28, 2011 | 9,515,786 |
| | | | \$ 53,021,254 |
| Lodging and Casinos 4.3% | | | |
| Ameristar Casinos, Inc. | | | |
| \$ | 1,080,750 | Term Loan, 8.43%, Maturing November 10, 2012 | \$ 1,072,644 |
| Bally Technologies, Inc. | | | |
| | 4,603,281 | Term Loan, 8.64%, Maturing September 5, 2009 | 4,589,853 |
| CCM Merger, Inc. | | | |
| | 2,432,782 | Term Loan, 7.30%, Maturing April 25, 2012 | 2,381,085 |
| Isle of Capri Casinos, Inc. | | | |
| | 401,471 | Term Loan, 0.00%, Maturing November 30, 2013 ⁽²⁾ | 387,470 |
| | 533,956 | Term Loan, 6.64%, Maturing November 30, 2013 | 515,334 |
| | 1,334,889 | Term Loan, 6.74%, Maturing November 30, 2013 | 1,288,335 |
| LodgeNet Entertainment Corp. | | | |
| | 822,938 | Term Loan, 7.20%, Maturing April 4, 2014 | 809,308 |
| New World Gaming Partners, Ltd | | | |
| | 1,020,833 | Term Loan, Maturing June 30, 2014 ⁽³⁾ | 980,000 |
| | 204,167 | Term Loan, Maturing June 30, 2014 ⁽³⁾ | 196,000 |
| Penn National Gaming, Inc. | | | |

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| | | | |
|---|-----------|---|---------------|
| | 6,438,600 | Term Loan, 6.90%, Maturing October 3, 2012 | 6,405,963 |
| Venetian Casino Resort/Las Vegas Sands Inc. | | | |
| | 865,000 | Term Loan, 0.00%, Maturing May 14, 2014 ⁽²⁾ | 841,171 |
| | 3,451,350 | Term Loan, 6.95%, Maturing May 23, 2014 | 3,356,272 |
| VML US Finance, LLC | | | |
| | 441,667 | Term Loan, 7.45%, Maturing May 25, 2012 | 433,425 |
| | 883,333 | Term Loan, 7.45%, Maturing May 25, 2013 | 866,849 |
| Wimar Opco, LLC | | | |
| | 1,883,308 | Term Loan, 7.45%, Maturing January 3, 2012 | 1,840,933 |
| | | | \$ 25,964,642 |
| Nonferrous Metals / Minerals 2.3% | | | |
| Alpha Natural Resources, LLC | | | |
| \$ | 859,687 | Term Loan, 6.95%, Maturing October 26, 2012 | \$ 855,748 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|--|-----------|---|---------------|
| Nonferrous Metals / Minerals (continued) | | | |
| Euramax International, Inc. | | | |
| \$ | 603,422 | Term Loan, 8.24%, Maturing June 28, 2012 | \$ 562,188 |
| | 501,316 | Term Loan, 13.24%, Maturing June 28, 2013 | 440,322 |
| | 248,684 | Term Loan, 13.24%, Maturing June 28, 2013 | 218,428 |
| Magnum Coal Co. | | | |
| | 186,364 | Term Loan, 8.01%, Maturing March 15, 2013 | 170,057 |
| | 1,835,682 | Term Loan, 8.42%, Maturing March 15, 2013 | 1,675,060 |
| Murray Energy Corp. | | | |
| | 906,750 | Term Loan, 8.54%, Maturing January 28, 2010 | 906,750 |
| Neo Material Technologies, Inc. | | | |
| | 1,095,000 | Term Loan, 8.69%, Maturing August 31, 2009 | 1,095,000 |
| Noranda Aluminum Acquisition | | | |
| | 1,000,000 | Term Loan, Maturing May 18, 2014 ⁽³⁾ | 986,300 |
| | 402,563 | Term Loan, 7.51%, Maturing May 28, 2014 | 389,380 |
| Novelis, Inc. | | | |
| | 2,019,937 | Term Loan, 7.20%, Maturing June 28, 2014 | 1,968,596 |
| Oxbow Carbon and Mineral Holdings | | | |
| | 3,134,469 | Term Loan, 7.19%, Maturing May 8, 2014 | 3,022,803 |
| | 275,242 | Term Loan, 7.20%, Maturing May 8, 2014 | 265,437 |
| Thompson Creek Metals Co. | | | |
| | 1,208,500 | Term Loan, 9.56%, Maturing October 26, 2012 | 1,211,521 |
| | | | \$ 13,767,590 |
| Oil and Gas 2.9% | | | |
| Atlas Pipeline Partners, L.P. | | | |
| \$ | 1,500,000 | Term Loan, 7.55%, Maturing July 20, 2014 | \$ 1,499,062 |
| Big West Oil, LLC | | | |
| | 398,750 | Term Loan, 0.00%, Maturing May 1, 2014 ⁽²⁾ | 386,787 |
| | 324,438 | Term Loan, 7.45%, Maturing May 1, 2014 | 314,704 |
| Concho Resources, Inc. | | | |
| | 362,724 | Term Loan, 9.76%, Maturing March 27, 2012 | 361,817 |
| Dresser, Inc. | | | |
| | 1,459,966 | Term Loan, 7.99%, Maturing May 4, 2014 | 1,433,049 |
| | 1,000,000 | Term Loan, 11.13%, Maturing May 4, 2015 | 976,875 |

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| | | | |
|---------------------------------|-----------|---|---------------|
| El Paso Corp. | | | |
| | 1,350,000 | Term Loan, 5.22%, Maturing July 31, 2011 | 1,333,969 |
| Enterprise GP Holdings L.P | | | |
| | 1,125,000 | Term Loan, Maturing October 31, 2014 ⁽³⁾ | 1,123,243 |
| Key Energy Services, Inc. | | | |
| | 1,174,087 | Term Loan, 7.64%, Maturing June 30, 2012 | 1,170,786 |
| Kinder Morgan, Inc. | | | |
| | 3,820,428 | Term Loan, 6.26%, Maturing May 21, 2014 | 3,732,875 |
| Principal Amount* | | | |
| | | Borrower/Tranche Description | Value |
| Oil and Gas (continued) | | | |
| Niska Gas Storage | | | |
| \$ | 120,380 | Term Loan, 7.28%, Maturing May 13, 2011 | \$ 117,672 |
| | 99,082 | Term Loan, 7.32%, Maturing May 13, 2011 | 96,853 |
| | 67,117 | Term Loan, 7.33%, Maturing May 13, 2011 | 65,607 |
| | 611,644 | Term Loan, 7.32%, Maturing May 12, 2013 | 597,882 |
| Primary Natural Resources, Inc. | | | |
| | 1,526,750 | Term Loan, 7.50%, Maturing July 28, 2010 ⁽⁴⁾ | 1,507,666 |
| Targa Resources, Inc. | | | |
| | 1,365,968 | Term Loan, 5.07%, Maturing October 31, 2012 | 1,356,064 |
| | 978,380 | Term Loan, 7.53%, Maturing October 31, 2012 | 971,286 |
| | | | \$ 17,046,197 |
| Publishing 11.5% | | | |
| American Media Operations, Inc. | | | |
| \$ | 4,275,000 | Term Loan, 8.80%, Maturing January 31, 2013 | \$ 4,226,906 |
| Aster Zweite Beteiligungs GmbH | | | |
| | 775,000 | Term Loan, 7.39%, Maturing September 27, 2013 | 748,359 |
| CanWest MediaWorks, Ltd. | | | |
| | 798,000 | Term Loan, 7.54%, Maturing July 10, 2014 | 790,020 |
| Dex Media West, LLC | | | |
| | 2,475,784 | Term Loan, 7.05%, Maturing March 9, 2010 | 2,452,264 |
| GateHouse Media Operating, Inc. | | | |
| | 600,000 | Term Loan, 7.27%, Maturing August 28, 2014 | 559,875 |
| | 1,350,000 | Term Loan, 7.51%, Maturing August 28, 2014 | 1,259,719 |
| | 675,000 | Term Loan, 7.72%, Maturing August 28, 2014 | 630,281 |
| Idearc, Inc. | | | |
| | 7,418,938 | Term Loan, 7.20%, Maturing November 17, 2014 | 7,325,815 |
| Josten's Corp. | | | |
| | 1,509,741 | Term Loan, 7.20%, Maturing October 4, 2011 | 1,499,362 |
| Laureate Education, Inc. | | | |

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| | | | |
|-----------------------------|-----------|---|-----------|
| | 222,285 | Term Loan, 0.00%, Maturing August 17, 2014 ⁽²⁾ | 218,728 |
| | 1,500,423 | Term Loan, 8.73%, Maturing August 17, 2014 | 1,476,416 |
| MediaNews Group, Inc. | | | |
| | 962,813 | Term Loan, 7.14%, Maturing August 2, 2013 | 921,893 |
| Mediannuaire Holding | | | |
| EUR | 500,000 | Term Loan, 9.00%, Maturing April 10, 2016 | 707,778 |
| Merrill Communications, LLC | | | |
| | 1,290,697 | Term Loan, 7.27%, Maturing February 9, 2009 | 1,271,337 |
| | 1,000,000 | Term Loan, 11.25%, Maturing November 15, 2013 | 985,000 |
| Nebraska Book Co., Inc. | | | |
| | 1,398,489 | Term Loan, 7.65%, Maturing March 4, 2011 | 1,377,512 |
| Nelson Education, Ltd. | | | |
| | 500,000 | Term Loan, 7.70%, Maturing July 5, 2014 | 469,375 |
| Nielsen Finance, LLC | | | |
| | 6,855,760 | Term Loan, 7.36%, Maturing August 9, 2013 | 6,685,319 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|--|-----------|--|---------------|
| Publishing (continued) | | | |
| Philadelphia Newspapers, LLC | | | |
| \$ | 713,495 | Term Loan, 8.75%, Maturing June 29, 2013 | \$ 656,416 |
| R.H. Donnelley Corp. | | | |
| | 3,161,529 | Term Loan, 7.01%, Maturing June 30, 2010 | 3,123,768 |
| Reader's Digest Association | | | |
| | 3,283,521 | Term Loan, 7.54%, Maturing March 2, 2014 | 3,122,628 |
| Riverdeep Interactive Learning USA, Inc. | | | |
| | 3,805,952 | Term Loan, Maturing December 20, 2013 ⁽³⁾ | 3,790,093 |
| SGS International, Inc. | | | |
| | 687,750 | Term Loan, 7.84%, Maturing December 30, 2011 | 680,872 |
| Source Media, Inc. | | | |
| | 1,658,707 | Term Loan, 7.07%, Maturing November 8, 2011 | 1,615,166 |
| SP Newsprint Co. | | | |
| | 3,866,667 | Term Loan, 4.75%, Maturing January 9, 2010 | 3,789,333 |
| The Star Tribune Co. | | | |
| | 1,866,667 | Term Loan, 7.74%, Maturing May 17, 2009 | 1,847,854 |
| | 3,965,063 | Term Loan, 8.24%, Maturing May 17, 2014 | 3,691,473 |
| TL Acquisitions, Inc. | | | |
| | 1,925,000 | Term Loan, 7.95%, Maturing July 5, 2014 | 1,866,180 |
| Trader Media Corp. | | | |
| GBP | 2,334,000 | Term Loan, 8.42%, Maturing March 23, 2015 | 4,666,715 |
| Xsys US, Inc. | | | |
| | 1,872,229 | Term Loan, 7.39%, Maturing September 27, 2013 | 1,807,872 |
| | 1,896,271 | Term Loan, 7.39%, Maturing September 27, 2014 | 1,838,198 |
| Yell Group, PLC | | | |
| | 2,600,000 | Term Loan, 6.75%, Maturing February 10, 2013 | 2,570,142 |
| | | | \$ 68,672,669 |
| Radio and Television 5.6% | | | |
| Block Communications, Inc. | | | |
| \$ | 835,125 | Term Loan, 7.20%, Maturing December 22, 2011 | \$ 805,896 |
| CMP KC, LLC | | | |
| | 976,188 | Term Loan, 9.26%, Maturing May 5, 2013 | 922,498 |
| CMP Susquehanna Corp. | | | |
| | 1,332,500 | Term Loan, 7.07%, Maturing May 5, 2013 | 1,292,525 |

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| | | | |
|----------------------------------|--|--|---------------|
| Discovery Communications, Inc. | | | |
| 2,418,938 | Term Loan, 7.20%, Maturing April 30, 2014 | | 2,392,733 |
| Emmis Operating Co. | | | |
| 799,425 | Term Loan, 7.20%, Maturing November 2, 2013 | | 782,437 |
| Entravision Communications Corp. | | | |
| 1,298,500 | Term Loan, 6.73%, Maturing September 29, 2013 | | 1,278,481 |
| Gray Television, Inc. | | | |
| 1,262,250 | Term Loan, 6.73%, Maturing January 19, 2015 | | 1,220,175 |
| | | | |
| Principal Amount* | Borrower/Tranche Description | | Value |
| Radio and Television (continued) | | | |
| HIT Entertainment, Inc. | | | |
| \$ 1,004,512 | Term Loan, 7.17%, Maturing March 20, 2012 | | \$ 985,678 |
| NEP II, Inc. | | | |
| 621,873 | Term Loan, 7.45%, Maturing February 16, 2014 | | 595,055 |
| Nexstar Broadcasting, Inc. | | | |
| 3,494,874 | Term Loan, 6.95%, Maturing October 1, 2012 | | 3,376,922 |
| NextMedia Operating, Inc. | | | |
| 247,444 | Term Loan, 7.05%, Maturing November 15, 2012 | | 236,927 |
| 109,974 | Term Loan, 7.12%, Maturing November 15, 2012 | | 105,300 |
| PanAmSat Corp. | | | |
| 2,450,250 | Term Loan, 7.12%, Maturing January 3, 2014 | | 2,425,529 |
| Paxson Communications Corp. | | | |
| 2,500,000 | Term Loan, 8.49%, Maturing January 15, 2012 | | 2,475,000 |
| Raycom TV Broadcasting, LLC | | | |
| 875,000 | Term Loan, 6.31%, Maturing June 25, 2014 | | 853,125 |
| SFX Entertainment | | | |
| 1,147,816 | Term Loan, 7.95%, Maturing June 21, 2013 | | 1,130,598 |
| Sirius Satellite Radio, Inc. | | | |
| 500,000 | Term Loan, 7.25%, Maturing December 19, 2012 | | 483,437 |
| Tyrol Acquisition 2 SAS | | | |
| EUR 800,000 | Term Loan, 6.37%, Maturing January 19, 2015 | | 1,123,582 |
| EUR 800,000 | Term Loan, 6.62%, Maturing January 19, 2016 | | 1,128,345 |
| Univision Communications, Inc. | | | |
| 750,000 | Term Loan, 7.25%, Maturing March 29, 2009 | | 745,312 |
| 255,872 | Term Loan, 0.00%, Maturing September 29, 2014 ⁽²⁾ | | 242,919 |
| 7,369,128 | Term Loan, 7.20%, Maturing September 29, 2014 | | 6,996,065 |
| Young Broadcasting, Inc. | | | |
| 1,703,463 | Term Loan, 7.87%, Maturing November 3, 2012 | | 1,635,324 |
| | | | \$ 33,233,863 |

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Rail Industries 0.6%

Kansas City Southern Railway Co.

| | | | |
|----|-----------|---|--------------|
| \$ | 1,999,687 | Term Loan, 6.68%, Maturing March 30, 2008 | \$ 1,965,193 |
|----|-----------|---|--------------|

RailAmerica, Inc.

| | | | |
|--|-----------|--|--------------|
| | 1,550,000 | Term Loan, 7.81%, Maturing August 14, 2008 | 1,528,687 |
| | | | \$ 3,493,880 |

Retailers (Except Food and Drug) 3.5%

American Achievement Corp.

| | | | |
|----|---------|---|------------|
| \$ | 392,234 | Term Loan, 7.49%, Maturing March 25, 2011 | \$ 384,390 |
|----|---------|---|------------|

Amscan Holdings, Inc.

| | | | |
|--|---------|---|---------|
| | 497,500 | Term Loan, 7.56%, Maturing May 25, 2013 | 482,575 |
|--|---------|---|---------|

Claire's Stores, Inc.

| | | | |
|--|---------|---|---------|
| | 349,125 | Term Loan, 7.95%, Maturing May 24, 2014 | 330,087 |
|--|---------|---|---------|

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|--|-----------|--|---------------|
| Retailers (Except Food and Drug) (continued) | | | |
| Coinmach Laundry Corp. | | | |
| \$ | 3,475,285 | Term Loan, 7.74%, Maturing December 19, 2012 | \$ 3,457,909 |
| Cumberland Farms, Inc. | | | |
| | 1,559,250 | Term Loan, 7.64%, Maturing September 29, 2013 | 1,543,657 |
| Educate, Inc. | | | |
| | 500,000 | Term Loan, 10.45%, Maturing June 14, 2014 | 493,750 |
| Harbor Freight Tools USA, Inc. | | | |
| | 1,714,570 | Term Loan, 7.29%, Maturing July 15, 2010 | 1,650,006 |
| Mapco Express, Inc. | | | |
| | 538,749 | Term Loan, 7.74%, Maturing April 28, 2011 | 529,995 |
| Neiman Marcus Group, Inc. | | | |
| | 802,215 | Term Loan, 7.45%, Maturing April 5, 2013 | 790,817 |
| Orbitz Worldwide, Inc. | | | |
| | 1,180,000 | Term Loan, 8.20%, Maturing July 25, 2014 | 1,164,513 |
| Oriental Trading Co., Inc. | | | |
| | 1,125,000 | Term Loan, 10.76%, Maturing January 31, 2013 | 1,088,438 |
| | 1,589,131 | Term Loan, 7.40%, Maturing July 31, 2013 | 1,535,498 |
| Rent-A-Center, Inc. | | | |
| | 1,036,136 | Term Loan, 7.20%, Maturing November 15, 2012 | 1,017,140 |
| Rover Acquisition Corp. | | | |
| | 2,233,125 | Term Loan, 7.33%, Maturing October 26, 2013 | 2,185,671 |
| Savers, Inc. | | | |
| | 707,484 | Term Loan, 7.99%, Maturing August 11, 2012 | 689,797 |
| The Yankee Candle Company, Inc. | | | |
| | 1,293,500 | Term Loan, 7.20%, Maturing February 6, 2014 | 1,260,354 |
| Vivarte | | | |
| EUR | 750,000 | Term Loan, 6.77%, Maturing May 29, 2015 | 1,014,669 |
| EUR | 750,000 | Term Loan, 7.27%, Maturing May 29, 2016 | 1,019,552 |
| | | | \$ 20,638,818 |
| Steel 0.4% | | | |
| Algoma Acquisition Corp. | | | |
| \$ | 500,000 | Term Loan, Maturing June 20, 2013 ⁽³⁾ | \$ 485,000 |
| | 972,563 | Term Loan, 8.09%, Maturing June 20, 2013 | 936,023 |
| Niagara Corp. | | | |

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| | | | |
|--|--------------|---|--------------|
| | 1,022,438 | Term Loan, 9.82%, Maturing June 29, 2014 | 981,540 |
| | | | \$ 2,402,563 |
| Surface Transport 1.1% | | | |
| Gainey Corp. | | | |
| | \$ 748,798 | Term Loan, 10.44%, Maturing April 20, 2012 | \$ 662,686 |
| Oshkosh Truck Corp. | | | |
| | 1,925,625 | Term Loan, 7.45%, Maturing December 6, 2013 | 1,897,644 |
| Ozburn-Hessey Holding Co., LLC | | | |
| | 490,687 | Term Loan, 8.53%, Maturing August 9, 2012 | 471,059 |
| Principal Amount* | | | |
| | | Borrower/Tranche Description | Value |
| Surface Transport (continued) | | | |
| SIRVA Worldwide, Inc. | | | |
| | \$ 1,599,041 | Term Loan, 12.50%, Maturing December 1, 2010 | \$ 1,132,654 |
| Swift Transportation Co., Inc. | | | |
| | 2,805,814 | Term Loan, 8.38%, Maturing May 10, 2014 | 2,479,638 |
| | | | \$ 6,643,681 |
| Telecommunications 5.4% | | | |
| Alaska Communications Systems Holdings, Inc. | | | |
| | \$ 990,000 | Term Loan, 6.95%, Maturing February 1, 2012 | \$ 970,448 |
| American Cellular Corp. | | | |
| | 2,064,625 | Term Loan, 7.24%, Maturing March 15, 2014 | 2,060,110 |
| Asurion Corp. | | | |
| | 1,400,000 | Term Loan, 8.36%, Maturing July 13, 2012 | 1,371,563 |
| | 1,000,000 | Term Loan, 11.72%, Maturing January 13, 2013 | 974,063 |
| Centennial Cellular Operating Co., LLC | | | |
| | 4,445,833 | Term Loan, 7.22%, Maturing February 9, 2011 | 4,403,358 |
| Consolidated Communications, Inc. | | | |
| | 2,563,752 | Term Loan, 6.95%, Maturing July 27, 2015 | 2,555,740 |
| FairPoint Communications, Inc. | | | |
| | 2,980,000 | Term Loan, 7.00%, Maturing February 8, 2012 | 2,954,670 |
| Intelsat Bermuda, Ltd. | | | |
| | 1,075,000 | Term Loan, 7.86%, Maturing February 1, 2014 | 1,065,594 |
| Intelsat Subsidiary Holding Co. | | | |
| | 965,250 | Term Loan, 7.12%, Maturing July 3, 2013 | 955,718 |
| Iowa Telecommunications Services | | | |
| | 2,616,000 | Term Loan, 6.99%, Maturing November 23, 2011 | 2,587,389 |
| IPC Systems, Inc. | | | |
| | 1,097,250 | Term Loan, 7.45%, Maturing May 31, 2014 | 1,024,832 |
| | 500,000 | Term Loan, 10.45%, Maturing May 31, 2015 | 447,188 |
| Macquarie UK Broadcast Ventures, Ltd. | | | |

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| | | | |
|--------------------------------|-----------|--|---------------|
| GBP | 775,000 | Term Loan, 8.04%, Maturing December 26, 2014 | 1,571,710 |
| NTelos, Inc. | | | |
| | 1,174,812 | Term Loan, 7.01%, Maturing August 24, 2011 | 1,163,798 |
| Stratos Global Corp. | | | |
| | 1,039,500 | Term Loan, 7.95%, Maturing February 13, 2012 | 1,022,175 |
| Telesat Canada, Inc. | | | |
| | 51,532 | Term Loan, Maturing October 22, 2014 ⁽³⁾ | 51,113 |
| | 602,924 | Term Loan, Maturing October 22, 2014 ⁽³⁾ | 598,026 |
| Trilogy International Partners | | | |
| | 850,000 | Term Loan, 8.70%, Maturing June 29, 2012 | 841,500 |
| Triton PCS, Inc. | | | |
| | 2,717,599 | Term Loan, 8.01%, Maturing November 18, 2009 | 2,715,335 |
| Windstream Corp. | | | |
| | 3,082,181 | Term Loan, 6.71%, Maturing July 17, 2013 | 3,066,219 |
| | | | \$ 32,400,549 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Borrower/Tranche Description | Value |
|-----------------------------------|-----------|--|------------|
| Utilities 4.2% | | | |
| AEI Finance Holding, LLC | | | |
| \$ | 269,751 | Revolving Loan, 5.10%, Maturing March 30, 2012 | \$ 264,356 |
| | 2,033,257 | Term Loan, 8.20%, Maturing March 30, 2014 | 1,992,592 |
| Astoria Generating Co. | | | |
| | 1,000,000 | Term Loan, 8.96%, Maturing August 23, 2013 | 992,875 |
| BRSP, LLC | | | |
| | 1,826,611 | Term Loan, 8.38%, Maturing July 13, 2009 | 1,803,779 |
| Calpine Corp. | | | |
| | 845,750 | DIP Loan, 7.45%, Maturing March 30, 2009 | 838,576 |
| Cogentrix Delaware Holdings, Inc. | | | |
| | 519,888 | Term Loan, 6.26%, Maturing April 14, 2012 | 510,140 |
| Covanta Energy Corp. | | | |
| | 569,072 | Term Loan, 5.10%, Maturing February 9, 2014 | 554,371 |
| | 1,150,148 | Term Loan, 6.88%, Maturing February 9, 2014 | 1,120,436 |
| Electricinvest Holding Co. | | | |
| EUR | 476,616 | Term Loan, 8.18%, Maturing October 24, 2012 | 665,410 |
| GBP | 480,000 | Term Loan, 10.07%, Maturing October 24, 2012 | 968,149 |
| Elster Group GmbH (Ruhrgas) | | | |
| | 803,389 | Term Loan, 7.63%, Maturing June 12, 2013 | 798,870 |
| | 803,389 | Term Loan, 7.88%, Maturing June 12, 2014 | 802,887 |
| LS Power Acquisition Co. | | | |
| | 600,000 | Term Loan, 8.94%, Maturing November 1, 2014 | 586,500 |
| Mach General, LLC | | | |
| | 67,969 | Term Loan, 7.20%, Maturing February 22, 2013 | 65,913 |
| | 652,104 | Term Loan, 7.50%, Maturing February 22, 2014 | 632,377 |
| Mirant North America, LLC | | | |
| | 874,583 | Term Loan, 6.50%, Maturing January 3, 2013 | 861,009 |
| NRG Energy, Inc. | | | |
| | 2,675,000 | Term Loan, 0.00%, Maturing June 1, 2014 ⁽²⁾ | 2,622,934 |
| | 2,093,940 | Term Loan, 6.85%, Maturing June 1, 2014 | 2,053,502 |
| | 5,030,780 | Term Loan, 6.95%, Maturing June 1, 2014 | 4,933,625 |
| Pike Electric, Inc. | | | |
| | 180,797 | Term Loan, 6.69%, Maturing July 1, 2012 | 178,876 |

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| | | | |
|---|---------|--|----------------|
| | 420,059 | Term Loan, 6.63%, Maturing December 10, 2012 | 415,596 |
| TXU Texas Competitive Electric Holdings Co., LLC | | | |
| | 850,000 | Term Loan, Maturing October 10, 2014 ⁽³⁾ | 850,264 |
| | 850,000 | Term Loan, Maturing October 10, 2014 ⁽³⁾ | 850,000 |
| | | | \$ 25,363,037 |
| Total Senior Floating-Rate Interests (identified cost \$923,870,033) | | | \$ 906,043,735 |
| Corporate Bonds & Notes 11.3% | | | |
| Principal Amount* (000's omitted) | | | |
| | | Security | Value |
| Aerospace and Defense 0.0% | | | |
| Alion Science and Technologies, Corp. | | | |
| \$ | 145 | 10.25%, 2/1/15 | \$ 136,300 |
| DRS Technologies, Inc., Sr. Sub. Notes | | | |
| | 80 | 7.625%, 2/1/18 | 82,200 |
| | | | \$ 218,500 |
| Air Transport 0.0% | | | |
| Continental Airlines | | | |
| \$ | 258 | 7.033%, 6/15/11 | \$ 250,982 |
| | | | \$ 250,982 |
| Automotive 0.2% | | | |
| Altra Industrial Motion, Inc. | | | |
| \$ | 225 | 9.00%, 12/1/11 | \$ 227,250 |
| | 110 | 9.00%, 12/1/11 | 111,100 |
| American Axle & Manufacturing, Inc. | | | |
| | 135 | 7.875%, 3/1/17 | 132,300 |
| Commercial Vehicle Group, Inc., Sr. Notes | | | |
| | 100 | 8.00%, 7/1/13 | 96,500 |
| Ford Motor Credit Co., Sr. Notes | | | |
| | 15 | 9.875%, 8/10/11 | 14,989 |
| Goodyear Tire & Rubber Co., Sr. Notes, Variable Rate | | | |
| | 180 | 9.135%, 12/1/09 | 183,150 |
| Tenneco Automotive, Inc., Sr. Sub. Notes | | | |
| | 255 | 8.625%, 11/15/14 | 261,375 |
| | | | \$ 1,026,664 |
| Broadcast Radio and Television 0.0% | | | |
| Warner Music Group, Sr. Sub. Notes | | | |
| \$ | 55 | 7.375%, 4/15/14 | \$ 49,087 |
| | | | \$ 49,087 |
| Brokers / Dealers / Investment Houses 0.1% | | | |
| Nuveen Investments, Inc. | | | |
| \$ | 30 | 5.00%, 9/15/10 | \$ 26,356 |
| Nuveen Investments, Inc., Sr. Notes | | | |
| | 200 | 10.50%, 11/15/15 ⁽⁵⁾ | 202,750 |
| Residential Capital LLC, Sub. Notes, Variable Rate | | | |
| | 725 | 8.044%, 4/17/09 ⁽⁵⁾ | 450,406 |
| | | | \$ 679,512 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* (000's omitted) | | Security | Value |
|---|-------|----------------------------------|--------------|
| Building and Development 0.8% | | | |
| Grohe Holding GMBH, Variable Rate | | | |
| EUR | 2,000 | 7.607%, 1/15/14 | \$ 2,784,994 |
| Interface, Inc. | | | |
| | 500 | 10.375%, 2/1/10 | 532,500 |
| Nortek, Inc., Sr. Sub. Notes | | | |
| | 850 | 8.50%, 9/1/14 | 756,500 |
| NTK Holdings, Inc., Sr. Disc. Notes | | | |
| | 360 | 10.75%, 3/1/14 | 237,600 |
| Panolam Industries International, Sr. Sub. Notes | | | |
| | 420 | 10.75%, 10/1/13 ⁽⁵⁾ | 401,100 |
| Realogy Corp., Sr. Notes | | | |
| | 50 | 10.50%, 4/15/14 ⁽⁵⁾ | 41,687 |
| Stanley Martin Co. | | | |
| | 80 | 9.75%, 8/15/15 | 54,800 |
| | | | \$ 4,809,181 |
| Business Equipment and Services 0.6% | | | |
| Affinion Group, Inc. | | | |
| \$ | 95 | 10.125%, 10/15/13 | \$ 99,512 |
| | 135 | 11.50%, 10/15/15 | 141,412 |
| Ceridian Corp., Sr. Notes | | | |
| | 330 | 11.25%, 11/15/15 ⁽⁵⁾ | 327,525 |
| Education Management, LLC | | | |
| | 275 | 8.75%, 6/1/14 | 285,312 |
| | 655 | 10.25%, 6/1/16 | 691,025 |
| KAR Holdings, Inc., Sr. Notes, Variable Rate | | | |
| | 130 | 9.356%, 5/1/14 ⁽⁵⁾ | 124,150 |
| MediMedia USA, Inc., Sr. Sub Notes | | | |
| | 170 | 11.375%, 11/15/14 ⁽⁵⁾ | 178,500 |
| Neff Corp., Sr. Notes | | | |
| | 40 | 10.00%, 6/1/15 | 29,000 |
| Norcross Safety Products, LLC/Norcross Capital Corp., Sr. Sub. Notes, Series B | | | |
| | 40 | 9.875%, 8/15/11 | 41,600 |
| Safety Products Holdings, Inc. Sr. Notes (PIK) | | | |
| | 455 | 11.75%, 1/1/12 | 468,785 |
| SunGard Data Systems, Inc. | | | |
| | 85 | 9.125%, 8/15/13 | 87,125 |
| Travelport, LLC | | | |
| | 475 | 9.875%, 9/1/14 | 491,625 |
| | 70 | 11.875%, 9/1/16 | 75,950 |
| West Corp. | | | |
| | 685 | 9.50%, 10/15/14 | 707,262 |

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\$ 3,748,783

| Principal Amount* (000's omitted) | Security | Value |
|--|-------------------------------|--------------|
| Cable and Satellite Television 0.4% | | |
| CCH I Holdings, LLC | | |
| \$ 105 | 11.75%, 5/15/14 | \$ 92,137 |
| CCH I, LLC/CCH I Capital Co. | | |
| 295 | 11.00%, 10/1/15 | 287,625 |
| CCH II, LLC/CCH II Capital Co. | | |
| 260 | 10.25%, 9/15/10 | 265,850 |
| CCO Holdings, LLC / CCO Capital Corp., Sr. Notes | | |
| 730 | 8.75%, 11/15/13 | 733,650 |
| CSC Holdings, Inc., Sr. Notes | | |
| 75 | 6.75%, 4/15/12 | 72,937 |
| Insight Communications, Sr. Disc. Notes | | |
| 380 | 12.25%, 2/15/11 | 394,250 |
| Kabel Deutschland GmbH | | |
| 190 | 10.625%, 7/1/14 | 207,100 |
| Mediacom Broadband Group Corp., LLC, Sr. Notes | | |
| 115 | 8.50%, 10/15/15 | 113,850 |
| Quebecor Media, Inc., Sr. Notes | | |
| 80 | 7.75%, 3/15/16 ⁽⁵⁾ | 77,600 |
| | | \$ 2,244,999 |
| Chemicals and Plastics 0.3% | | |
| Equistar Chemical, Sr. Notes | | |
| \$ 37 | 10.625%, 5/1/11 | \$ 38,850 |
| INEOS Group Holdings PLC | | |
| 355 | 8.50%, 2/15/16 ⁽⁵⁾ | 339,025 |
| Lyondell Chemical Co., Sr. Notes | | |
| 938 | 10.50%, 6/1/13 | 1,015,385 |
| Nova Chemicals Corp., Sr. Notes, Variable Rate | | |
| 195 | 8.484%, 11/15/13 | 192,562 |
| Reichhold Industries, Inc., Sr. Notes | | |
| 445 | 9.00%, 8/15/14 ⁽⁵⁾ | 453,900 |
| | | \$ 2,039,722 |
| Clothing / Textiles 0.3% | | |
| Levi Strauss & Co., Sr. Notes | | |
| \$ 140 | 9.75%, 1/15/15 | \$ 146,825 |
| 320 | 8.875%, 4/1/16 | 329,600 |
| Oxford Industries, Inc., Sr. Notes | | |
| 735 | 8.875%, 6/1/11 | 738,675 |
| Perry Ellis International, Inc., Sr. Sub. Notes | | |
| 325 | 8.875%, 9/15/13 | 326,625 |
| Phillips-Van Heusen, Sr. Notes | | |
| 55 | 7.25%, 2/15/11 | 55,550 |
| | | \$ 1,597,275 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* (000's omitted) | | Security | Value |
|---|-------|--------------------------------|--------------|
| Conglomerates 0.1% | | | |
| Goodman Global Holdings, Inc., Sr. Notes, Variable Rate | | | |
| \$ 210 | | 8.36%, 6/15/12 | \$ 211,575 |
| RBS Global & Rexnord Corp. | | | |
| | 175 | 9.50%, 8/1/14 | 181,562 |
| | 155 | 11.75%, 8/1/16 | 165,075 |
| | | | \$ 558,212 |
| Containers and Glass Products 0.3% | | | |
| Intertape Polymer US, Inc., Sr. Sub. Notes | | | |
| \$ 310 | | 8.50%, 8/1/14 | \$ 289,850 |
| Pliant Corp. (PIK) | | | |
| | 1,282 | 11.85%, 6/15/09 | 1,307,899 |
| Smurfit-Stone Container Enterprises, Inc., Sr. Notes | | | |
| | 145 | 8.00%, 3/15/17 | 144,819 |
| | | | \$ 1,742,568 |
| Cosmetics / Toiletries 0.1% | | | |
| Bausch & Lomb, Inc., Sr. Notes | | | |
| \$ 190 | | 9.875%, 11/1/15 ⁽⁵⁾ | \$ 196,175 |
| Revlon Consumer Products Corp., Sr. Sub. Notes | | | |
| | 210 | 8.625%, 2/1/08 | 205,275 |
| | | | \$ 401,450 |
| Ecological Services and Equipment 0.1% | | | |
| Waste Services, Inc., Sr. Sub. Notes | | | |
| \$ 440 | | 9.50%, 4/15/14 | \$ 442,200 |
| | | | \$ 442,200 |
| Electronics / Electrical 0.3% | | | |
| Advanced Micro Devices, Inc., Sr. Notes | | | |
| \$ 445 | | 7.75%, 11/1/12 | \$ 412,737 |
| Amkor Technologies, Inc., Sr. Notes | | | |
| | 135 | 7.75%, 5/15/13 | 131,119 |
| Avago Technologies Finance | | | |
| | 90 | 11.875%, 12/1/15 | 101,250 |
| Avago Technologies Finance, Variable Rate | | | |
| | 170 | 10.125%, 12/1/13 | 184,450 |
| NXP BV/NXP Funding, LLC | | | |
| | 10 | 7.875%, 10/15/14 | 9,812 |
| NXP BV/NXP Funding, LLC, Variable Rate | | | |
| | 775 | 7.993%, 10/15/13 | 737,219 |
| | | | \$ 1,576,587 |

| Principal Amount* | | Security | Value |
|-------------------|--|----------|-------|
|-------------------|--|----------|-------|

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(000's omitted)

| | | | |
|--|-------|-----------------------------------|--------------|
| Financial Intermediaries 1.0% | | | |
| Alzette, Variable Rate | | | |
| \$ | 750 | 11.86%, 12/15/20 ⁽⁴⁾ | \$ 738,750 |
| Comstock Funding, Ltd., Series 2006-1A, Class D, Variable Rate | | | |
| | 750 | 9.755%, 5/30/20 ⁽⁴⁾⁽⁵⁾ | 601,066 |
| E*Trade Financial Corp. | | | |
| | 240 | 7.875%, 12/1/15 | 229,200 |
| First CLO, Ltd., Sr. Sub. Notes, Variable Rate | | | |
| | 1,000 | 7.31%, 7/27/16 ⁽⁴⁾⁽⁵⁾ | 921,996 |
| Ford Motor Credit Co. | | | |
| | 715 | 7.375%, 10/28/09 | 689,894 |
| | 340 | 7.875%, 6/15/10 | 327,960 |
| Ford Motor Credit Co., Sr. Notes | | | |
| | 50 | 5.80%, 1/12/09 | 48,251 |
| General Motors Acceptance Corp. | | | |
| | 400 | 6.375%, 5/1/08 | 398,000 |
| | 100 | 5.85%, 1/14/09 | 96,519 |
| | 160 | 7.75%, 1/19/10 | 154,951 |
| | 325 | 7.25%, 3/2/11 | 307,537 |
| | 40 | 7.00%, 2/1/12 | 36,564 |
| General Motors Acceptance Corp., Variable Rate | | | |
| | 110 | 6.808%, 5/15/09 | 103,534 |
| Schiller Park CLO Ltd., 2007-1A D, Variable Rate | | | |
| | 1,000 | 6.834%, 4/25/21 ⁽⁴⁾⁽⁵⁾ | 881,039 |
| Sonata Securities S.A., Series 2006-6 | | | |
| | 489 | 8.85%, 12/28/07 | 488,855 |
| | | | \$ 6,024,116 |
| Food Products 0.1% | | | |
| ASG Consolidated, LLC/ASG Finance, Inc., Sr. Disc. Notes | | | |
| \$ | 495 | 11.50%, 11/1/11 | \$ 460,350 |
| Dole Food Co., Inc. | | | |
| | 210 | 7.25%, 6/15/10 | 200,550 |
| Dole Food Co., Sr. Notes | | | |
| | 45 | 8.625%, 5/1/09 | 45,450 |
| Pierre Foods, Inc., Sr. Sub. Notes | | | |
| | 55 | 9.875%, 7/15/12 | 45,925 |
| | | | \$ 752,275 |
| Food Service 0.1% | | | |
| Aramark Corp., Sr. Notes | | | |
| \$ | 60 | 8.50%, 2/1/15 | \$ 61,050 |
| El Pollo Loco, Inc. | | | |
| | 370 | 11.75%, 11/15/13 | 373,700 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* (000's omitted) | | Security | Value |
|--|-----|---------------------------------|--------------|
| Food Service (continued) | | | |
| NPC International, Inc., Sr. Sub. Notes | | | |
| \$ | 350 | 9.50%, 5/1/14 | \$ 329,000 |
| | | | \$ 763,750 |
| Food / Drug Retailers 0.4% | | | |
| General Nutrition Center, Sr. Notes, Variable Rate (PIK) | | | |
| \$ | 345 | 10.009%, 3/15/14 | \$ 333,787 |
| General Nutrition Center, Sr. Sub. Notes | | | |
| | 345 | 10.75%, 3/15/15 | 337,237 |
| Rite Aid Corp. | | | |
| | 685 | 6.125%, 12/15/08 ⁽⁵⁾ | 679,862 |
| | 285 | 7.50%, 1/15/15 | 272,175 |
| | 80 | 8.625%, 3/1/15 | 71,400 |
| | 100 | 9.375%, 12/15/15 ⁽⁵⁾ | 92,750 |
| | 530 | 9.50%, 6/15/17 ⁽⁵⁾ | 492,900 |
| | | | \$ 2,280,111 |
| Forest Products 0.2% | | | |
| Abitibi-Consolidated Finance | | | |
| \$ | 175 | 7.875%, 8/1/09 | \$ 168,875 |
| Georgia-Pacific Corp. | | | |
| | 5 | 9.50%, 12/1/11 | 5,300 |
| Jefferson Smurfit Corp. | | | |
| | 75 | 7.50%, 6/1/13 | 73,500 |
| NewPage Corp. | | | |
| | 460 | 10.00%, 5/1/12 | 488,750 |
| | 70 | 12.00%, 5/1/13 | 75,950 |
| NewPage Corp., Variable Rate | | | |
| | 135 | 11.606%, 5/1/12 | 146,137 |
| | | | \$ 958,512 |
| Healthcare 0.7% | | | |
| Accellent, Inc. | | | |
| \$ | 210 | 10.50%, 12/1/13 | \$ 198,975 |
| Advanced Medical Optics, Inc., Sr. Sub. Notes | | | |
| | 70 | 7.50%, 5/1/17 | 66,325 |
| AMR HoldCo, Inc., Sr. Sub. Notes | | | |
| | 325 | 10.00%, 2/15/15 | 346,937 |
| HCA, Inc. | | | |
| | 780 | 8.75%, 9/1/10 | 797,550 |
| | 150 | 7.875%, 2/1/11 | 148,875 |
| | 135 | 9.125%, 11/15/14 | 140,062 |
| | 350 | 9.25%, 11/15/16 | 369,250 |

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| Principal Amount* (000's omitted) | Security | Value |
|---|----------------------------------|--------------|
| Healthcare (continued) | | |
| MultiPlan, Inc., Sr. Sub. Notes | | |
| \$ 485 | 10.375%, 4/15/16 ⁽⁵⁾ | \$ 498,337 |
| National Mentor Holdings, Inc. | | |
| 315 | 11.25%, 7/1/14 | 335,475 |
| Res-Care, Inc., Sr. Notes | | |
| 195 | 7.75%, 10/15/13 | 194,025 |
| Service Corp. International, Sr. Notes | | |
| 240 | 7.00%, 6/15/17 | 235,800 |
| Universal Hospital Services, Inc. (PIK) | | |
| 40 | 8.50%, 6/1/15 PIK ⁽⁵⁾ | 40,900 |
| Universal Hospital Services, Inc., Variable Rate | | |
| 40 | 8.759%, 6/1/15 ⁽⁵⁾⁽⁶⁾ | 40,300 |
| US Oncology, Inc. | | |
| 265 | 9.00%, 8/15/12 | 266,987 |
| 515 | 10.75%, 8/15/14 | 538,175 |
| Varietal Distribution Merger, Inc., Sr. Notes (PIK) | | |
| 40 | 10.25%, 7/15/15 ⁽⁵⁾ | 39,400 |
| | | \$ 4,257,373 |
| Home Furnishings 0.0% | | |
| Interline Brands, Inc., Sr. Sub. Notes | | |
| \$ 135 | 8.125%, 6/15/14 | \$ 135,337 |
| | | \$ 135,337 |
| Industrial Equipment 0.1% | | |
| Chart Industries, Inc., Sr. Sub. Notes | | |
| \$ 195 | 9.125%, 10/15/15 | \$ 204,262 |
| ESCO Corp., Sr. Notes | | |
| 145 | 8.625%, 12/15/13 ⁽⁵⁾ | 148,262 |
| ESCO Corp., Sr. Notes, Variable Rate | | |
| 145 | 9.569%, 12/15/13 ⁽⁵⁾ | 145,725 |
| | | \$ 498,249 |
| Insurance 0.0% | | |
| Alliant Holdings I, Inc. | | |
| \$ 100 | 11.00%, 5/1/15 ⁽³⁾⁽⁵⁾ | \$ 96,500 |
| | | \$ 96,500 |
| Leisure Goods / Activities / Movies 0.4% | | |
| AMC Entertainment, Inc. | | |
| \$ 135 | 11.00%, 2/1/16 | \$ 146,813 |
| Bombardier, Inc., Sr. Notes | | |
| 130 | 8.00%, 11/15/14 ⁽⁵⁾ | 135,850 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* (000's omitted) | Security | Value |
|--|----------------------------------|--------------|
| Leisure Goods / Activities / Movies (continued) | | |
| HRP Myrtle Beach Operations, LLC/HRP Myrtle Beach Capital Corp. | | |
| \$ 195 | 12.50%, 4/1/13 ⁽⁵⁾ | \$ 190,125 |
| HRP Myrtle Beach Operations, LLC/HRP Myrtle Beach Capital Corp., Variable Rate | | |
| 360 | 9.894%, 4/1/12 ⁽⁵⁾ | 362,250 |
| Marquee Holdings, Inc., Sr. Disc. Notes | | |
| 790 | 12.00%, 8/15/14 | 673,475 |
| Universal City Development Partners, Sr. Notes | | |
| 310 | 11.75%, 4/1/10 | 326,275 |
| Universal City Florida Holdings, Sr. Notes, Variable Rate | | |
| 680 | 10.106%, 5/1/10 | 698,700 |
| | | \$ 2,533,488 |
| Lodging and Casinos 1.0% | | |
| Buffalo Thunder Development Authority | | |
| \$ 375 | 9.375%, 12/15/14 ⁽⁵⁾ | \$ 352,500 |
| CCM Merger, Inc. | | |
| 230 | 8.00%, 8/1/13 ⁽⁵⁾ | 221,950 |
| Chukchansi EDA, Sr. Notes, Variable Rate | | |
| 280 | 8.859%, 11/15/12 ⁽⁵⁾ | 281,400 |
| Fontainebleau Las Vegas Casino, LLC | | |
| 485 | 10.25%, 6/15/15 ⁽⁵⁾ | 455,900 |
| Galaxy Entertainment Finance | | |
| 200 | 9.875%, 12/15/12 ⁽⁵⁾ | 215,500 |
| Galaxy Entertainment Finance, Variable Rate | | |
| 175 | 10.409%, 12/15/10 ⁽⁵⁾ | 182,000 |
| Greektown Holdings, LLC, Sr. Notes | | |
| 100 | 10.75%, 12/1/13 ⁽⁵⁾ | 100,000 |
| Indianapolis Downs, LLC & Capital Corp., Sr. Notes | | |
| 105 | 11.00%, 11/1/12 ⁽⁵⁾ | 106,050 |
| Inn of the Mountain Gods, Sr. Notes | | |
| 625 | 12.00%, 11/15/10 | 662,500 |
| Majestic HoldCo, LLC, (0.00% until 2008) | | |
| 140 | 12.50%, 10/15/11 ⁽⁵⁾ | 100,100 |
| Majestic Star Casino, LLC | | |
| 340 | 9.50%, 10/15/10 | 336,600 |
| MGM Mirage, Inc. | | |
| 160 | 7.50%, 6/1/16 | 159,800 |
| Mohegan Tribal Gaming Authority, Sr. Sub. Notes | | |
| 95 | 8.00%, 4/1/12 | 97,494 |
| OED Corp./Diamond Jo, LLC | | |
| 475 | 8.75%, 4/15/12 | 476,188 |
| Pinnacle Entertainment Inc., Sr. Sub. Notes | | |

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| | | | |
|---|-------|---------------------------------|--------------|
| | 140 | 7.50%, 6/15/15 ⁽⁵⁾ | 135,800 |
| Pokagon Gaming Authority, Sr. Notes | | | |
| | 110 | 10.375%, 6/15/14 ⁽⁵⁾ | 122,100 |
| Principal Amount* (000's omitted) | | Security | Value |
| Lodging and Casinos (continued) | | | |
| San Pasqual Casino | | | |
| \$ | 110 | 8.00%, 9/15/13 ⁽⁵⁾ | \$ 111,650 |
| Seminole Hard Rock Entertainment, Variable Rate | | | |
| | 175 | 8.194%, 3/15/14 ⁽⁵⁾ | 171,938 |
| Station Casinos, Inc. | | | |
| | 55 | 7.75%, 8/15/16 | 54,106 |
| Station Casinos, Inc., Sr. Notes | | | |
| | 95 | 6.00%, 4/1/12 | 88,588 |
| Trump Entertainment Resorts, Inc. | | | |
| | 1,205 | 8.50%, 6/1/15 | 1,027,263 |
| Tunica-Biloxi Gaming Authority, Sr. Notes | | | |
| | 310 | 9.00%, 11/15/15 ⁽⁵⁾ | 323,950 |
| Turning Stone Resort Casinos, Sr. Notes | | | |
| | 75 | 9.125%, 9/15/14 ⁽⁵⁾ | 78,000 |
| Venetian Casino Resort/Las Vegas Sands Inc. | | | |
| | 35 | 6.375%, 2/15/15 | 34,169 |
| Waterford Gaming, LLC, Sr. Notes | | | |
| | 348 | 8.625%, 9/15/14 ⁽⁵⁾ | 349,740 |
| | | | \$ 6,245,286 |
| Nonferrous Metals / Minerals 0.3% | | | |
| Aleris International, Inc., Sr. Notes | | | |
| \$ | 65 | 9.00%, 12/15/14 | \$ 58,988 |
| Aleris International, Inc., Sr. Sub. Notes | | | |
| | 630 | 10.00%, 12/15/16 | 557,550 |
| Alpha Natural Resources, Sr. Notes | | | |
| | 135 | 10.00%, 6/1/12 | 144,450 |
| FMG Finance PTY, Ltd., Variable Rate | | | |
| | 195 | 9.621%, 9/1/11 ⁽⁵⁾ | 203,288 |
| | 490 | 10.625%, 9/1/16 ⁽⁵⁾ | 583,100 |
| | | | \$ 1,547,376 |
| Oil and Gas 0.9% | | | |
| Allis-Chalmers Energy, Inc. | | | |
| \$ | 90 | 8.50%, 3/1/17 | \$ 88,425 |
| Allis-Chalmers Energy, Inc., Sr. Notes | | | |
| | 425 | 9.00%, 1/15/14 | 432,438 |
| Cimarex Energy Co., Sr. Notes | | | |
| | 120 | 7.125%, 5/1/17 | 120,450 |
| Clayton Williams Energy, Inc. | | | |
| | 160 | 7.75%, 8/1/13 | 150,800 |
| Compton Pet Finance Corp. | | | |
| | 360 | 7.625%, 12/1/13 | 346,500 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* (000's omitted) | | Security | Value |
|---|--|---------------------------------|--------------|
| Oil and Gas (continued) | | | |
| Denbury Resources, Inc., Sr. Sub. Notes | | | |
| \$ 50 | | 7.50%, 12/15/15 | \$ 51,000 |
| El Paso Corp., Sr. Notes | | | |
| 225 | | 9.625%, 5/15/12 | 246,322 |
| Encore Acquisition Co., Sr. Sub. Notes | | | |
| 155 | | 7.25%, 12/1/17 | 149,188 |
| Ocean Rig Norway AS, Sr. Notes | | | |
| 225 | | 8.375%, 7/1/13 ⁽⁵⁾ | 231,188 |
| OPTI Canada, Inc. | | | |
| 95 | | 7.875%, 12/15/14 ⁽⁵⁾ | 94,763 |
| 180 | | 8.25%, 12/15/14 ⁽⁵⁾ | 181,350 |
| Parker Drilling Co., Sr. Notes | | | |
| 100 | | 9.625%, 10/1/13 | 107,250 |
| Petrohawk Energy Corp., Sr. Notes | | | |
| 795 | | 9.125%, 7/15/13 | 847,669 |
| Petroplus Finance, Ltd. | | | |
| 285 | | 7.00%, 5/1/17 ⁽⁵⁾ | 269,325 |
| Plains Exploration & Production Co. | | | |
| 255 | | 7.00%, 3/15/17 | 243,525 |
| Quicksilver Resources, Inc. | | | |
| 210 | | 7.125%, 4/1/16 | 207,900 |
| SemGroup L.P., Sr. Notes | | | |
| 540 | | 8.75%, 11/15/15 ⁽⁵⁾ | 521,100 |
| Sesi, LLC, Sr. Notes | | | |
| 60 | | 6.875%, 6/1/14 | 58,500 |
| Stewart & Stevenson, LLC, Sr. Notes | | | |
| 340 | | 10.00%, 7/15/14 | 351,050 |
| United Refining Co., Sr. Notes | | | |
| 865 | | 10.50%, 8/15/12 | 898,519 |
| VeraSun Energy Corp. | | | |
| 105 | | 9.875%, 12/15/12 | 104,606 |
| | | | \$ 5,701,868 |
| Publishing 0.4% | | | |
| CanWest Media, Inc. | | | |
| \$ 444 | | 8.00%, 9/15/12 | \$ 434,908 |
| Dex Media West, LLC | | | |
| 127 | | 9.875%, 8/15/13 | 136,049 |
| Harland Clarke Holdings | | | |
| 100 | | 9.50%, 5/15/15 | 91,500 |
| Idearc, Inc., Sr. Notes | | | |
| 220 | | 8.00%, 11/15/16 | 221,650 |

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| | | | |
|--|-------|---------------------------------|--------------|
| MediaNews Group, Inc., Sr. Sub. Notes | | | |
| | 100 | 6.875%, 10/1/13 | 76,500 |
| Principal Amount* (000's omitted) | | | |
| | | Security | Value |
| Publishing (continued) | | | |
| Nielsen Finance, LLC | | | |
| \$ | 175 | 10.00%, 8/1/14 | \$ 185,063 |
| R.H. Donnelley Corp. | | | |
| | 290 | 8.875%, 10/15/17 ⁽⁵⁾ | 291,450 |
| Reader's Digest Association, Inc., (The), Sr. Sub. Notes | | | |
| | 595 | 9.00%, 2/15/17 ⁽⁵⁾ | 533,269 |
| | | | \$ 1,970,389 |
| Radio and Television 0.1% | | | |
| Intelsat Bermuda, Ltd. | | | |
| \$ | 325 | 9.25%, 6/15/16 | \$ 338,813 |
| Rainbow National Services, LLC, Sr. Sub. Debs. | | | |
| | 210 | 10.375%, 9/1/14 ⁽⁵⁾ | 232,050 |
| | | | \$ 570,863 |
| Rail Industries 0.1% | | | |
| American Railcar Industry | | | |
| \$ | 175 | 7.50%, 3/1/14 | \$ 173,688 |
| Kansas City Southern Mexico, Sr. Notes | | | |
| | 245 | 7.625%, 12/1/13 | 251,125 |
| | 55 | 7.375%, 6/1/14 ⁽⁵⁾ | 55,138 |
| Kansas City Southern Railway Co. | | | |
| | 95 | 9.50%, 10/1/08 | 97,613 |
| | | | \$ 577,564 |
| Retailers (Except Food and Drug) 0.8% | | | |
| Amscan Holdings, Inc., Sr. Sub. Notes | | | |
| \$ | 400 | 8.75%, 5/1/14 | \$ 380,000 |
| Bon-Ton Department Stores, Inc. | | | |
| | 125 | 10.25%, 3/15/14 | 110,000 |
| GameStop Corp. | | | |
| | 1,295 | 8.00%, 10/1/12 | 1,358,131 |
| Michaels Stores, Inc., Sr. Notes | | | |
| | 250 | 10.00%, 11/1/14 | 253,125 |
| Michaels Stores, Inc., Sr. Sub. Notes | | | |
| | 265 | 11.375%, 11/1/16 | 265,663 |
| Neiman Marcus Group, Inc. | | | |
| | 310 | 9.00%, 10/15/15 | 328,600 |
| | 1,020 | 10.375%, 10/15/15 | 1,114,350 |
| Sally Holdings, LLC, Sr. Notes | | | |
| | 90 | 9.25%, 11/15/14 | 90,900 |
| Toys R US Corp. | | | |
| | 215 | 7.375%, 10/15/18 | 168,775 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* (000's omitted) | | Security | Value |
|---|-----|---------------------------------|--------------|
| Retailers (Except Food and Drug) (continued) | | | |
| Yankee Acquisition Corp., Series B | | | |
| \$ | 260 | 8.50%, 2/15/15 | \$ 245,050 |
| | 280 | 9.75%, 2/15/17 | 260,400 |
| | | | \$ 4,574,994 |
| Steel 0.1% | | | |
| RathGibson, Inc., Sr. Notes | | | |
| \$ | 445 | 11.25%, 2/15/14 | \$ 461,688 |
| Ryerson, Inc., Sr. Notes | | | |
| | 30 | 12.00%, 11/1/15 ⁽⁵⁾ | 30,975 |
| Ryerson, Inc., Sr. Notes, Variable Rate | | | |
| | 20 | 12.574%, 11/1/14 ⁽⁵⁾ | 20,500 |
| Steel Dynamics, Inc., Sr. Notes | | | |
| | 205 | 7.375%, 11/1/12 ⁽⁵⁾ | 206,025 |
| | | | \$ 719,188 |
| Surface Transport 0.0% | | | |
| CEVA Group PLC | | | |
| \$ | 185 | 10.00%, 9/1/14 ⁽⁵⁾ | \$ 193,556 |
| | | | \$ 193,556 |
| Telecommunications 0.6% | | | |
| Centennial Cellular Operating Co., LLC, Sr. Notes | | | |
| \$ | 205 | 10.125%, 6/15/13 | \$ 218,838 |
| Digicel Group, Ltd., Sr. Notes | | | |
| | 275 | 9.25%, 9/1/12 ⁽⁵⁾ | 283,250 |
| | 330 | 8.875%, 1/15/15 ⁽⁵⁾ | 308,979 |
| | 342 | 9.125%, 1/15/15 ⁽⁵⁾ | 320,215 |
| Level 3 Financing, Inc. Sr. Notes | | | |
| | 225 | 9.25%, 11/1/14 | 213,188 |
| | 325 | 8.75%, 2/15/17 | 298,188 |
| Qwest Capital Funding, Inc. | | | |
| | 100 | 7.00%, 8/3/09 | 100,750 |
| | 50 | 7.90%, 8/15/10 | 51,500 |
| Qwest Communications International, Inc. | | | |
| | 500 | 7.50%, 2/15/14 | 508,750 |
| Qwest Communications International, Inc., Sr. Notes | | | |
| | 65 | 7.50%, 11/1/08 | 65,000 |
| Qwest Corp., Sr. Notes | | | |
| | 140 | 7.625%, 6/15/15 | 148,050 |
| Qwest Corp., Sr. Notes, Variable Rate | | | |
| | 925 | 8.944%, 6/15/13 | 990,906 |
| Windstream Corp., Sr. Notes | | | |
| | 190 | 8.125%, 8/1/13 | 201,875 |

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| Principal Amount* (000's omitted) | | Security | Value |
|--|-------|--------------------------------------|---------------|
| Telecommunications (continued) | | | |
| \$ 60 | | 8.625%, 8/1/16 | \$ 64,500 |
| | | | \$ 3,773,989 |
| Utilities 0.4% | | | |
| AES Corp., Sr. Notes | | | |
| \$ 155 | | 8.00%, 10/15/17 ⁽⁵⁾ | \$ 157,131 |
| Dynegy Holdings, Inc. | | | |
| | 90 | 8.375%, 5/1/16 | 90,675 |
| | 30 | 7.75%, 6/1/19 ⁽⁵⁾ | 28,313 |
| Edison Mission Energy | | | |
| | 100 | 7.50%, 6/15/13 | 101,875 |
| Edison Mission Energy, Sr. Notes | | | |
| | 125 | 7.00%, 5/15/17 ⁽⁵⁾ | 122,813 |
| Energy Future Holdings, Sr. Note | | | |
| | 370 | 10.875%, 11/1/17 ⁽⁵⁾ | 376,013 |
| NGC Corp. | | | |
| | 390 | 7.625%, 10/15/26 | 348,075 |
| NRG Energy, Inc. | | | |
| | 140 | 7.25%, 2/1/14 | 140,350 |
| | 355 | 7.375%, 1/15/17 | 354,113 |
| NRG Energy, Inc., Sr. Notes | | | |
| | 120 | 7.375%, 2/1/16 | 120,000 |
| Reliant Energy, Inc., Sr. Notes | | | |
| | 20 | 7.625%, 6/15/14 | 20,275 |
| | 55 | 7.875%, 6/15/17 | 55,756 |
| Texas Competitive Electric Holdings Co. LLC, Sr. Notes | | | |
| | 240 | 10.25%, 11/1/15 ⁽⁵⁾ | 242,400 |
| | | | \$ 2,157,789 |
| Total Corporate Bonds & Notes (identified cost \$69,462,739) | | | \$ 67,718,295 |
| Asset Backed Securities 1.1% | | | |
| Principal Amount* | | Security | Value |
| Avalon Capital Ltd. 3, Series 1A, Class D, Variable Rate | | | |
| \$ 760 | | 7.449%, 2/24/19 ⁽⁴⁾⁽⁵⁾⁽⁶⁾ | \$ 683,115 |
| Babson Ltd., 2005-1A, Class C1, Variable Rate | | | |
| | 1,000 | 7.193%, 4/15/19 ⁽⁴⁾⁽⁵⁾⁽⁶⁾ | 885,057 |
| Bryant Park CDO Ltd., Series 2005-1A, Class C, Variable Rate | | | |
| | 1,000 | 7.293%, 1/15/19 ⁽⁴⁾⁽⁵⁾⁽⁶⁾ | 896,952 |
| Carlyle High Yield Partners, Series 2004-6A, Class C, Variable Rate | | | |
| | 1,000 | 7.95%, 8/11/16 ⁽⁴⁾⁽⁵⁾⁽⁶⁾ | 930,130 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Principal Amount* | | Security | Value |
|---|-----------|--|---------------------|
| Centurion CDO 8 Ltd., Series 2005-8A, Class D, Variable Rate | | | |
| \$ | 1,000 | 11.224%, 3/8/17 ⁽⁴⁾⁽⁶⁾ | \$ 928,087 |
| Centurion CDO 9 Ltd., Series 2005-9A, Class Note | | | |
| | 750 | 9.35%, 7/17/19 ⁽⁴⁾⁽⁶⁾ | 655,125 |
| Dryden Leveraged Loan, Series 2004-6A, Class C1, Variable Rate | | | |
| | 1,500 | 7.534%, 7/30/16 ⁽⁴⁾⁽⁵⁾⁽⁶⁾ | 1,386,901 |
| Total Asset Backed Securities (identified cost \$5,495,920) | | | \$ 6,365,367 |
| Common Stocks 0.1% | | | |
| Shares | | | |
| | 22,932 | Delta Air Lines, Inc. ⁽⁷⁾ | \$ 476,986 |
| | 6,211 | Environmental Systems Products Holdings, Inc. ⁽⁴⁾⁽⁷⁾⁽⁸⁾ | 0 |
| | 32,088 | Trump Entertainment Resorts, Inc. ⁽⁷⁾ | 249,965 |
| Total Common Stocks (identified cost \$1,204,201) | | | \$ 726,951 |
| Convertible Bonds 0.1% | | | |
| Principal Amount* | | | |
| \$ | 310,000 | L-3 Communications Corp. ⁽⁵⁾ | \$ 376,650 |
| Total Convertible Bonds (identified cost \$313,210) | | | \$ 376,650 |
| Convertible Preferred Stocks 0.0% | | | |
| Shares | | | |
| | 1,007 | Chesapeake Energy Corp., 4.50% | \$ 105,896 |
| | 484 | Crown Castle International Corp., 6.25% (PIK) | 29,101 |
| Total Convertible Preferred Stocks (identified cost \$120,732) | | | \$ 134,997 |
| Preferred Stocks 0.0% | | | |
| Shares | | | |
| | 6,211 | Environmental Systems Products Holdings Preferred (Series A) ⁽⁴⁾⁽⁷⁾ | \$ 108,693 |
| Total Preferred Stocks (identified cost \$108,693) | | | \$ 108,693 |
| Miscellaneous 0.0% | | | |
| Shares | | | |
| \$ | 1,000,000 | Delta Air Lines, Escrow Certificate ⁽⁴⁾⁽⁷⁾ | \$ 68,750 |
| Total Miscellaneous (identified cost \$0) | | | \$ 68,750 |
| Closed-End Investment Companies 1.8% | | | |
| Shares | | | |
| | 31,021 | Blackrock Floating Rate Income Strategies Fund II, Inc. | \$ 515,259 |
| | 37,341 | Blackrock Floating Rate Income Strategies Fund, Inc. | 631,063 |

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| | | |
|---|--|---------------|
| 20,864 | BlackRock Global Floating Rate Income Trust Fund | 350,306 |
| 2,933 | First Trust/Four Corners Senior Floating Rate Income Fund | 46,664 |
| 126,490 | First Trust/Four Corners Senior Floating Rate Income Fund II | 2,037,754 |
| 911,533 | ING Prime Rate Trust | 6,052,579 |
| 90,332 | LMP Corporate Loan Fund, Inc. Nuveen Floating Rate Income Fund | 1,121,020 |
| 8,252 | Nuveen Floating Rate Income Opportunity Fund | 101,995 |
| 8,502 | Nuveen Senior Income Fund | 105,935 |
| 3,445 | PIMCO Floating Rate Income Fund | 26,251 |
| 136 | PIMCO Floating Rate Strategy Fund | 2,358 |
| 1,620 | Pioneer Floating Rate Trust | 27,248 |
| 292 | Van Kampen Senior Income Trust | 5,180 |
| 3,136 | | 22,799 |
| Total Closed-End Investment Companies (identified cost \$12,380,251) | | \$ 11,046,411 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

| Short-Term Investments | 1.9% | Interest (000's omitted) | Value |
|--|------|-----------------------------|-------------------------|
| Description | | | |
| Investment in Cash Management Portfolio, 4.83% ⁽⁹⁾ | | 11,075 | \$ 11,074,654 |
| Total Short-Term Investments (identified cost \$11,074,654) | | | \$ 11,074,654 |
| Total Investments 167.8% (identified cost \$1,024,030,433) | | | \$ 1,003,664,503 |
| Less Unfunded Loan Commitments (1.5)% | | | \$ (8,900,820) |
| Net Investments 166.3% (identified cost \$1,015,129,612) | | | \$ 994,763,683 |
| Other Assets, Less Liabilities (0.3)% | | | \$ (1,874,439) |
| Auction Preferred Shares Plus Cumulative Unpaid Dividends (66.0)% | | | \$ (394,675,644) |
| Net Assets Applicable to Common Shares 100.0% | | | \$ 598,213,600 |

DIP - Debtors in Possession

EUR - Euro

GBP - British Pound

PIK - Payment In Kind

REIT - Real Estate Investment Trust

* In U.S. dollar unless otherwise indicated

(1) Senior floating-rate interests often require prepayments from excess cash flows or permit the borrower to repay at its election. The degree to which borrowers repay, whether as a contractual requirement or at their election, cannot be predicted with accuracy. As a result, the actual remaining maturity may be substantially less than the stated maturities shown. However, it is anticipated that the senior floating-rate interests will have an expected average life of approximately two to three years. The stated interest rate represents the weighted average interest rate of all contracts within the senior loan facility. Senior Loans typically have rates of interest which are redetermined either daily, monthly, quarterly or semi-annually by reference to a base lending rate, plus a premium. These base lending rates are primarily the London-Interbank Offered Rate ("LIBOR"), and secondarily the prime rate offered by one or more major United States banks (the "Prime Rate") and the certificate of deposit ("CD") rate or other base lending rates used by commercial lenders.

(2) Unfunded or partially unfunded loan commitments. See Note 1E for description.

(3) This Senior Loan will settle after October 31, 2007, at which time the interest rate will be determined.

(4) Security valued at fair value using methods determined in good faith by or at the direction of the Trustees.

(5) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be sold in transactions exempt from registration, normally to qualified institutional buyers. At October 31, 2007, the aggregate value of the securities is \$22,113,654 or 3.7% of the Trust's net assets.

(6) Adjustable rate securities. Rates shown are the rates at period end.

(7) Non-income producing security.

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⁽⁸⁾ Restricted security.

⁽⁹⁾ Affiliated investment company available to Eaton Vance portfolios and funds which invests in high quality U.S. dollar denominated money market instruments. The rate shown is the annualized seven-day yield as of October 31, 2007.

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

FINANCIAL STATEMENTS

Statement of Assets and Liabilities

As of October 31, 2007

| | |
|---|-------------------------|
| Assets | |
| Unaffiliated investments, at value (identified cost, \$1,004,054,958) | \$ 983,689,029 |
| Affiliated investment, at value (identified cost, \$11,074,654) | 11,074,654 |
| Cash | 4,600,947 |
| Foreign currency, at value (identified cost, \$1,420,379) | 1,446,568 |
| Receivable for investments sold | 1,908,178 |
| Dividends and interest receivable | 8,839,141 |
| Interest receivable from affiliated investment | 57,000 |
| Receivable for open swap contracts | 49,397 |
| Receivable for open forward foreign currency contracts | 18 |
| Prepaid expenses | 76,977 |
| Total assets | \$ 1,011,741,909 |
| Liabilities | |
| Payable for investments purchased | \$ 17,552,674 |
| Payable to affiliate for investment advisory fees | 505,726 |
| Payable to affiliate for Trustees' fees | 2,102 |
| Payable for open forward foreign currency contracts | 453,291 |
| Accrued expenses | 338,872 |
| Total liabilities | \$ 18,852,665 |
| Auction preferred shares (15,760 shares outstanding) at liquidation value plus cumulative unpaid dividends | \$ 394,675,644 |
| Net assets applicable to common shares | \$ 598,213,600 |
| Sources of Net Assets | |
| Common Shares, \$0.01 par value, unlimited number of shares authorized, 33,600,821 shares issued and outstanding | \$ 336,008 |
| Additional paid-in capital | 633,908,462 |
| Accumulated net realized loss | (15,134,325) |
| Net unrealized depreciation | (20,896,545) |
| Net assets applicable to common shares | \$ 598,213,600 |
| Net Asset Value Per Common Share (\$598,213,600 ÷ 33,600,821 common shares of beneficial interest issued and outstanding) | \$ 17.80 |

Statement of Operations

For the Year Ended
October 31, 2007

| | |
|---|---------------|
| Investment Income | |
| Interest | \$ 77,959,696 |
| Interest income allocated from affiliated investments | 1,205,430 |

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| | |
|--|-----------------|
| Dividends | 1,199,652 |
| Expenses allocated from affiliated investments | (114,493) |
| Total investment income | \$ 80,250,285 |
| Expenses | |
| Investment adviser fee | \$ 7,493,272 |
| Trustees' fees and expenses | 23,717 |
| Preferred shares remarketing agent fee | 985,000 |
| Custodian fee | 300,247 |
| Legal and accounting services | 160,181 |
| Printing and postage | 100,882 |
| Transfer and dividend disbursing agent fees | 67,793 |
| Miscellaneous | 104,809 |
| Total expenses | \$ 9,235,901 |
| Deduct | |
| Reduction of custodian fee | \$ 14,314 |
| Reduction of investment adviser fee | 2,024,715 |
| Total expense reductions | \$ 2,039,029 |
| Net expenses | \$ 7,196,872 |
| Net investment income | \$ 73,053,413 |
| Realized and Unrealized Gain (Loss) | |
| Net realized gain (loss) | |
| Investment transactions | \$ (620,465) |
| Swap contracts | 71,047 |
| Foreign currency and forward foreign currency exchange contract transactions | (4,290,595) |
| Net realized loss | \$ (4,840,013) |
| Change in unrealized appreciation (depreciation) | |
| Investments | \$ (23,399,377) |
| Swap contracts | (35,076) |
| Foreign currency and forward foreign currency exchange contracts | (580,013) |
| Net change in unrealized appreciation (depreciation) | \$ (24,014,466) |
| Net realized and unrealized loss | \$ (28,854,479) |
| Distributions to preferred shareholders | |
| From net investment income | (21,281,589) |
| Net increase in net assets from operations | \$ 22,917,345 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

FINANCIAL STATEMENTS CONT'D

Statements of Changes in Net Assets

| Increase (Decrease) in Net Assets | Year Ended October 31, 2007 | Year Ended October 31, 2006 |
|--|--------------------------------|--------------------------------|
| From operations | | |
| Net investment income | \$ 73,053,413 | \$ 68,767,640 |
| Net realized loss from investment transactions, swap contracts and foreign currency and forward foreign currency exchange contract transactions | (4,840,013) | (243,947) |
| Net change in unrealized appreciation (depreciation) from investments, swap contracts and foreign currency and forward foreign currency exchange contracts | (24,014,466) | (629,273) |
| Distributions to preferred shareholders | | |
| From net investment income | (21,281,589) | (18,685,607) |
| Net increase in net assets from operations | \$ 22,917,345 | \$ 49,208,813 |
| Distributions to common shareholders | | |
| From net investment income | \$ (51,735,131) | \$ (50,869,016) |
| From tax return of capital | (1,005,278) | |
| Total distributions to common shareholders | \$ (52,740,409) | \$ (50,869,016) |
| Capital share transactions | | |
| Reinvestment of distributions to common shareholders | \$ 2,111,209 | \$ |
| Total increase in net assets from capital share transactions | \$ 2,111,209 | \$ |
| Net decrease in net assets | \$ (27,711,855) | \$ (1,660,203) |
| Net Assets Applicable to Common Shares | | |
| At beginning of year | \$ 625,925,455 | \$ 627,585,658 |
| At end of year | \$ 598,213,600 | \$ 625,925,455 |
| Accumulated undistributed net investment income included in net assets applicable to common shares | | |
| At end of year | \$ | \$ 716,446 |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

FINANCIAL STATEMENTS CONT'D

Financial Highlights

Selected data for a common share outstanding during the periods stated

| | Year Ended October 31, | | | |
|--|------------------------|---------------------|---------------------|--------------------------|
| | 2007 ⁽¹⁾ | 2006 ⁽¹⁾ | 2005 ⁽¹⁾ | 2004 ⁽¹⁾⁽²⁾ |
| Net asset value Beginning of year (Common shares) | \$ 18.690 | \$ 18.740 | \$ 18.970 | \$ 19.100 ⁽³⁾ |
| Income (loss) from operations | | | | |
| Net investment income | \$ 2.177 | \$ 2.053 | \$ 1.547 | \$ 0.968 |
| Net realized and unrealized gain (loss) | (0.861) | (0.026) | (0.193) | 0.080 |
| Distributions to preferred shareholders from net investment income | (0.634) | (0.558) | (0.354) | (0.132) |
| Total income from operations | \$ 0.682 | \$ 1.469 | \$ 1.000 | \$ 0.916 |
| Less distributions to common shareholders | | | | |
| From net investment income | \$ (1.542) | \$ (1.519) | \$ (1.230) | \$ (0.900) |
| From tax return of capital | (0.030) | | | |
| Total distributions to common shareholders | \$ (1.572) | \$ (1.519) | \$ (1.230) | \$ (0.900) |
| Preferred and Common shares offering costs charged to paid-in capital | \$ | \$ | \$ | \$ (0.027) |
| Preferred Shares underwriting discounts | \$ | \$ | \$ | \$ (0.119) |
| Net asset value End of period (Common shares) | \$ 17.800 | \$ 18.690 | \$ 18.740 | \$ 18.970 |
| Market value End of period (Common shares) | \$ 16.200 | \$ 18.240 | \$ 17.210 | \$ 19.940 |
| Total Investment Return on Net Asset Value ⁽⁵⁾ | 3.93% | 8.47% | 5.57% | 4.13% ⁽⁴⁾⁽¹⁰⁾ |
| Total Investment Return on Market Value ⁽⁵⁾ | (3.13)% | 15.27% | (7.77)% | 9.45% ⁽⁴⁾⁽¹⁰⁾ |

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

FINANCIAL STATEMENTS CONT'D

Financial Highlights

Selected data for a common share outstanding during the periods stated

| | Year Ended October 31, | | | |
|--|------------------------|---------------------|---------------------|------------------------|
| | 2007 ⁽¹⁾ | 2006 ⁽¹⁾ | 2005 ⁽¹⁾ | 2004 ⁽¹⁾⁽²⁾ |
| Ratios/Supplemental Data | | | | |
| Net assets applicable to common shares, end of year (000's omitted) | \$ 598,214 | \$ 625,925 | \$ 627,586 | \$ 633,584 |
| Ratios (As a percentage of average net assets applicable to common shares): | | | | |
| Expenses before custodian fee reduction ⁽⁶⁾ | 1.18% | 1.17% | 1.16% | 1.08% ⁽⁷⁾ |
| Expenses after custodian fee reduction ⁽⁶⁾ | 1.18% | 1.17% | 1.16% | 1.08% ⁽⁷⁾ |
| Net investment income ⁽⁶⁾ | 11.79% | 10.95% | 8.18% | 5.51% ⁽⁷⁾ |
| Portfolio Turnover | 58% | 51% | 64% | 95% |

The ratios reported are based on net assets applicable solely to common shares. The ratios based on net assets, including amounts related to preferred shares, are as follows:

| | | | | |
|---|-----------|-----------|-----------|----------------------|
| Ratios (As a percentage of average total net assets applicable to common shares and preferred shares): | | | | |
| Expenses before custodian fee reduction ⁽⁶⁾ | 0.72% | 0.72% | 0.72% | 0.71% ⁽⁷⁾ |
| Expenses after custodian fee reduction ⁽⁶⁾ | 0.72% | 0.72% | 0.72% | 0.71% ⁽⁷⁾ |
| Net investment income ⁽⁶⁾ | 7.21% | 6.73% | 5.04% | 3.63% ⁽⁷⁾ |
| Senior Securities: | | | | |
| Total preferred shares outstanding | 15,760 | 15,760 | 15,760 | 15,760 |
| Asset coverage per preferred share ⁽⁸⁾ | \$ 63,001 | \$ 64,753 | \$ 64,853 | \$ 65,223 |
| Involuntary liquidation preference per preferred share ⁽⁹⁾ | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |
| Approximate market value per preferred share ⁽⁹⁾ | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |

(1) Computed using average common shares outstanding.

(2) For the period from the start of business, November 28, 2003, to October 31, 2004.

(3) Net asset value at beginning of period reflects the deduction of the sales load of \$0.90 per share paid by the shareholder from the \$20.00 offering price.

(4) Total investment return on net asset value is calculated assuming a purchase at the offering price of \$20.00 less the sales load of \$0.90 per share paid by the shareholder on the first day and a sale at the net asset value on the last day of the period reported with all distributions reinvested. Total investment return on market value is calculated assuming a purchase at the offering price of \$20.00 less the sales load of \$0.90 per share paid by the shareholder on the first day and a sale at the current market price on the last day of the period reported with all distributions reinvested.

(5) Returns are historical and are calculated by determining the percentage change in net asset value or market value with all distributions reinvested.

(6) Ratios do not reflect the effect of dividend payments to preferred shareholders.

(7) Annualized.

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(8) Calculated by subtracting the Fund's total liabilities (not including the preferred shares) from the Fund's total assets, and dividing this by the number of preferred shares outstanding.

(9) Plus accumulated and unpaid dividends.

(10) Not annualized.

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS

I Significant Accounting Policies

Eaton Vance Senior Floating-Rate Trust (the Fund) is a Massachusetts business trust registered under the Investment Company Act of 1940 as amended (the 1940 Act), as a closed-end management investment company. The Fund seeks to provide a high level of current income. The Fund may, as a secondary objective, also seek preservation of capital to the extent consistent with its primary goal of high current income. The Fund pursues its objectives by investing primarily in senior, secured floating rate loans (Senior Loans). The following is a summary of significant accounting policies of the Fund. The policies are in conformity with accounting principles generally accepted in the United States of America.

A Investment Valuation The Fund's investments are primarily in interests in senior floating-rate loans (Senior Loans). Interests in Senior Loans for which reliable market quotations are readily available are valued on the basis of prices furnished by an independent pricing service. Other Senior Loans are valued at fair value by the investment adviser under procedures approved by the Trustees. In fair valuing a Senior Loan, the investment adviser utilizes one or more of the following valuation techniques: (i) a matrix pricing approach that considers the yield on the Senior Loan relative to yields on other loan interests issued by companies of comparable credit quality; (ii) a comparison of the value of the borrower's outstanding equity and debt to that of comparable public companies; (iii) a discounted cash flow analysis; or (iv) when the investment adviser believes it is likely that a borrower will be liquidated or sold, an analysis of the terms of such liquidation or sale. In certain cases, the investment adviser will use a combination of analytical methods to determine fair value, such as when only a portion of a borrower's assets are likely to be sold. In conducting its assessment and analyses for purposes of determining fair value of a Senior Loan, the investment adviser will use its discretion and judgment in considering and appraising relevant factors. Fair value determinations are made by the portfolio managers of a Fund based on information available to such managers. The portfolio managers of other funds managed by Eaton Vance that invest in Senior Loans may not possess the same information about a Senior Loan borrower as the portfolio managers of the Fund. At times, the fair value of a Senior Loan determined by the portfolio managers of other Funds managed by Eaton Vance that invest in Senior Loans may vary from the fair value of the same Senior Loan determined by the portfolio managers of other Eaton Vance funds. The fair value of each Senior Loan is periodically reviewed and approved by the investment adviser's Valuation Committee and by the Trustees based upon procedures approved by the Trustees. Junior loans are valued in the same manner as Senior Loans.

Non-loan portfolio holdings (other than short-term obligations maturing in sixty days or less), including listed securities and securities for which price quotations are available and forward contracts, will normally be valued on the basis of market valuations furnished by dealers or pricing services. Financial futures contracts listed on commodity exchanges and exchange-traded options are valued at closing settlement prices. Over-the-counter options are valued at the mean between the bid and asked prices provided by dealers. Equity securities listed on the NASDAQ Global or Global Select Market are valued at the NASDAQ official closing price. The value of interest rate swaps are generally based upon a dealer quotation. Credit default swaps are valued by broker-dealer (usually counterparty to the agreement). Short-term obligations and money market securities maturing in sixty days or less are valued at amortized cost which approximates market value. If short-term debt securities are acquired with a remaining maturity of more than sixty days, they will be valued by a pricing service. Investments for which valuations or market quotations are not readily available are valued at fair value using methods determined in good faith by or at the direction of the Trustees of the Fund. Occasionally, events affecting the value of foreign securities may occur between the time trading is completed abroad and the close of the Exchange which will not be reflected in the computation of the Fund's net asset value (unless the Fund deems that such event would materially affect its net asset value in which case an adjustment would be made and reflected in such computation). The Fund may rely on an independent fair valuation service in making any such adjustment.

The Fund may invest in Cash Management Portfolio (Cash Management), an affiliated investment company managed by Boston Management and Research (BMR), a subsidiary of EVM. Cash Management values its investment securities utilizing the amortized cost valuation technique permitted by Rule 2a-7 of the 1940 Act. This technique involves initially valuing a portfolio security at its cost and thereafter assuming a constant amortization to maturity of any discount or premium.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS CONT'D

B Income Interest income is recorded on the basis of interest accrued, adjusted for amortization of premium or accretion of discount. Fees associated with loan amendments are recognized immediately. Dividend income is recorded on the ex-dividend date for dividends received in cash and/or securities.

C Federal Taxes The Fund's policy is to comply with the provisions of the Internal Revenue Code applicable to regulated investment companies and to distribute to shareholders each year substantially all of its net investment income, and all or substantially all of its net realized capital gains. Accordingly, no provision for federal income or excise tax is necessary. At October 31, 2007, the Fund, for federal income tax purposes, had a capital loss carryforward of \$14,592,850 which will reduce the Fund's taxable income arising from future net realized gains on investment transactions, if any, to the extent permitted by the Internal Revenue Code, and thus will reduce the amount of distributions to shareholders which would otherwise be necessary to relieve the Fund of any liability for federal income or excise tax. Such capital loss carryforward will expire on October 31, 2012 (\$5,860,075), October 31, 2013, (\$4,807,956), October 31, 2014 (\$1,142,602), and October 31, 2015 (\$2,782,217).

D Investment Transactions Investment transactions for financial statement purposes are accounted for on a trade date basis. Realized gains and losses on investments sold are determined on the basis of identified cost. Securities purchased or sold on a when-issued or delayed delivery basis may be settled a month or more after the transaction date. The securities so purchased are subject to market fluctuations during this period. To the extent that when-issued or delayed delivery purchases are outstanding, the Fund instructs the custodian to segregate assets in a separate account, with a current value at least equal to the amount of its purchase commitments.

E Unfunded Loan Commitments The Fund may enter into certain credit agreements all or a portion of which may be unfunded. The Fund is obligated to fund these commitments at the borrower's discretion. These commitments are disclosed in the accompanying Portfolio of Investments.

F Offering Costs Costs incurred by the Fund in connection with the offering of the common shares and preferred shares were recorded as a reduction of capital paid in excess of par applicable to common shares.

G Expense Reduction State Street Bank and Trust Company (SSBT) serves as custodian of the Fund. Pursuant to the custodian agreement, SSBT receives a fee reduced by credits, which are determined based on the average daily cash balance the Fund maintains with SSBT. All credit balances, if any, used to reduce the Fund's custodian fees are reported as a reduction of expenses in the Statement of Operations.

H Written Options Upon the writing of a call or a put option, the premium received by the Fund is included in the Statement of Assets and Liabilities as a liability. The amount of the liability is subsequently marked-to-market to reflect the current market value of the option written, in accordance with the Fund's policies on investment valuations discussed above. Premiums received from writing options which expire are treated as realized gains. Premiums received from writing options which are exercised or are closed are added to or offset against the proceeds or amount paid on the transaction to determine the realized gain or loss. If a put option is exercised, the premium reduces the cost basis of the securities purchased by the Fund. The Fund, as writer of an option, may have no control over whether the underlying securities may be sold (call) or purchased (put) and, as a result, bears the market risk of an unfavorable change in the price of the securities underlying the written option.

I Purchased Options Upon the purchase of a call or put option, the premium paid by the Fund is included in the Statement of Assets and Liabilities as an investment. The amount of the investment is subsequently marked-to-market to reflect the current market value of the option purchased, in accordance with the Fund's policies on investment valuations discussed above. If an option which the Fund has purchased expires on the stipulated expiration date, the Fund will realize a loss in the amount of the cost of the option. If the Fund enters into a closing sale transaction, the Fund will realize a gain or loss, depending on whether the sales proceeds from the closing sale transaction are greater or less than the cost of the option. If the Fund exercises a put option, it will realize a gain or loss from the sale of the underlying security, and the proceeds from such sale will be decreased by the premium originally paid. If the Fund exercises a call option, the cost of the security which the Fund purchases upon exercise will be increased by the premium originally paid.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS CONT'D

J Financial Futures Contracts The Fund may enter into financial futures contracts. The Fund's investment in financial futures contracts is designed for hedging against changes in interest rates or as a substitute for the purchase of securities. Upon entering into a financial futures contract, the Fund is required to deposit with the broker, either in cash or securities an amount equal to a certain percentage of the purchase price (initial margin). Subsequent payments, known as variation margin, are made or received by the Fund each business day, depending on the daily fluctuations in the value of the underlying security, and are recorded as unrealized gains or losses by the Fund. Gains (losses) are realized upon the expiration or closing of the financial futures contracts. Should market conditions change unexpectedly, the Fund may not achieve the anticipated benefits of the financial futures contracts and may realize a loss. In entering such contracts, the Fund bears the risk if the counterparties do not perform under the contracts' terms.

K Foreign Currency Translation Investment valuations, other assets, and liabilities initially expressed in foreign currencies are translated each business day into U.S. dollars based upon current exchange rates. Purchases and sales of foreign investment securities and income and expenses denominated in foreign currencies are translated into U.S. dollars based upon currency exchange rates in effect on the respective dates of such transactions. Recognized gains or losses on investment transactions attributable to changes in foreign currency exchange rates are recorded for financial statement purposes as net realized gains and losses on investments. That portion of unrealized gains and losses on investments that results from fluctuations in foreign currency exchange rates is not separately disclosed.

L Forward Foreign Currency Exchange Contracts The Fund may enter into forward foreign currency exchange contracts for the purchase or sale of a specific foreign currency at a fixed price on a future date. The Fund enters into forward contracts for hedging purposes. The forward foreign currency exchange contract is adjusted by the daily exchange rate of the underlying currency and any gains or losses are recorded as unrealized until such time as the contract has been closed or offset by another contract with the same broker for the same settlement date and currency. Risks may arise upon entering these contracts from the potential inability of counterparties to meet the terms of their contracts and from movements in the value of a foreign currency relative to the U.S. dollar.

M Total Return Swaps The Fund may enter into swap agreements to hedge against fluctuations in securities prices, interest rates or market conditions; to change the duration of the overall portfolio; to mitigate default risk; or for other risk management purposes. In a total return swap, the Fund makes payments at a rate equal to a predetermined spread to the one or three-month LIBOR. In exchange, the Fund receives payments based on the rate of return of a benchmark industry index or basket of securities. During the term of the outstanding swap agreement, changes in the underlying value of the swap are recorded as unrealized gains and losses. Periodic payments received or made are recorded as realized gains or losses. The value of the swap is determined by changes in the relationship between the rate of interest and the benchmark industry index or basket of securities. The Fund is exposed to credit loss in the event of nonperformance by the swap counterparty. However, the Fund does not anticipate nonperformance by the counterparty. Risk may also arise from the unanticipated movements in value of interest rates, securities, or the index.

N Credit Default Swaps The Fund may enter into credit default swap contracts to buy or sell protection against default on an individual issuer or a basket of issuers of bonds. When the Fund is the buyer of a credit default swap contract, the Fund is entitled to receive the par (or other agreed-upon) value of a referenced debt obligation (or basket of debt obligations) from the counterparty to the contract in the event of a default by a third party, such as a U.S. or foreign corporate issuer, on the debt obligation. In return, the Fund pays the counterparty a periodic stream of payments over the term of the contract provided that no event of default has occurred. If no default occurs, the Fund would have spent the stream of payments and received no benefit from the contract. When the Fund is the seller of a credit default swap contract, it receives the stream of payments, but is obligated to pay upon default of the referenced debt obligation. As the seller, the Fund would effectively add leverage to its portfolio because, in addition to its total net assets, the Fund would be subject to investment exposure on the notional amount of the swap. The interest fee paid or received on the swap contract, which is based on a specified interest rate on a fixed notional amount, is accrued daily as a component of unrealized appreciation (depreciation) and is recorded as realized gain upon receipt or realized loss upon payment. The Fund also records an increase or decrease to unrealized appreciation (depreciation) in an amount equal to the daily valuation. Up-front payment or receipts, if any, are recorded as

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS CONT'D

other assets or other liabilities, respectively, and amortized over the life of the swap contract as realized gains or losses. The Fund segregates assets in the form of cash and cash equivalents in an amount equal to the aggregate market value of the credit default swap of which it is the seller, marked to market on a daily basis. These transactions involve certain risks, including the risk that the seller may be unable to fulfill the transaction.

O Use of Estimates The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of income and expense during the reporting period. Actual results could differ from those estimates.

P Indemnifications Under the Fund's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the Fund, and shareholders are indemnified against personal liability for the obligations of the Fund. Additionally, in the normal course of business, the Fund enters into agreements with service providers that may contain indemnification clauses. The Fund's maximum exposure under these arrangements is unknown as this would involve future claims that may be made against the Fund that have not yet occurred.

2 Auction Preferred Shares

The Fund issued Auction Preferred Shares (APS) on January 26, 2004 in a public offering. The underwriting discount and other offering costs incurred in connection with the offering were recorded as a reduction of paid-in capital of the common shares. Dividends on the APS, which accrue daily, are cumulative at rates which are reset every seven days by an auction, unless a special dividend period has been set. Series of APS are identical in all respects except for the reset dates of the dividend rates.

The number of APS issued and outstanding as of October 31, 2007 are as follows:

| | APS Issued and Outstanding |
|----------|-------------------------------|
| Series A | 3,940 |
| Series B | 3,940 |
| Series C | 3,940 |
| Series D | 3,940 |

The APS are redeemable at the option of the Fund, at a redemption price equal to \$25,000 per share, plus accumulated and unpaid dividends, on any dividend payment date. The APS are also subject to mandatory redemption at a redemption price equal to \$25,000 per share, plus accumulated and unpaid dividends, if the Fund is in default for an extended period on its asset maintenance requirements with respect to the APS. If the dividends on the APS remain unpaid in an amount equal to two full years' dividends, the holders of the APS as a class have the right to elect a majority of the Board of Trustees. In general, the holders of the APS and the common shares have equal voting rights of one vote per share, except that the holders of the APS, as a separate class, have the right to elect at least two members of the Board of Trustees. The APS have a liquidation preference of \$25,000 per share, plus accumulated and unpaid dividends. The Fund is required to maintain certain asset coverage with respect to the APS as defined in the Fund's By-Laws and the 1940 Act. The Fund pays an annual fee equivalent to 0.25% of the liquidation value for the remarketing efforts associated with the APS auctions.

3 Distribution to Shareholders

The Fund intends to make monthly distributions of net investment income to common shareholders, after payment of any dividends on any outstanding APS. In addition, at least annually, the Fund intends to distribute all or substantially all of its net realized capital gains, if any. Distributions to common shareholders are recorded on the ex-dividend date. Distributions to preferred shareholders are recorded daily and are payable at the end of each dividend period. The dividend rate for the APS at October 31, 2007, and the amount of dividends paid (including capital gains, if any) to APS shareholders, average APS dividend rates, and dividend rate ranges for the year ended were as follows:

| Series | APS Dividend Rates at October 31, 2007 | Dividends Paid to APS Shareholders | Average APS Dividend Rates | Dividend Rate Ranges | |
|--------|---|---|-------------------------------------|-------------------------|-------|
| A | 5.00% | \$ 5,246,866 | 5.327% | 4.87% | 6.50% |
| B | 5.20% | \$ 5,265,063 | 5.345% | 4.90% | 6.50% |

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| | | | | | |
|---|-------|--------------|--------|-------|-------|
| C | 6.60% | \$ 5,346,633 | 5.428% | 5.00% | 6.60% |
| D | 6.20% | \$ 5,423,027 | 5.506% | 5.20% | 6.50% |

The Fund distinguishes between distribution on a tax basis and a financial reporting basis. Accounting principles generally accepted in the United States of America require that only distributions in excess of tax

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS CONT'D

basis earnings and profits be reported in the financial statements as a return of capital. Permanent differences between book and tax accounting relating to distributions are reclassified to paid-in capital.

The tax character of distributions declared for the year ended October 31, 2007 and October 31, 2006 was as follows:

| | Year Ended October 31, 2007 | Year Ended October 31, 2006 |
|------------------------------|--------------------------------|--------------------------------|
| Distributions declared from: | | |
| Ordinary income | \$ 73,016,720 | \$ 69,554,623 |
| Tax Return of capital | 1,005,278 | |

During the year ended October 31, 2007, accumulated net investment income was decreased by \$753,139, accumulated undistributed net realized loss was decreased by \$2,404,058, and paid-in-capital was decreased by \$1,650,919, due to differences between book and tax accounting primarily for swaps, premium amortization, mixed straddle and currency gain/loss. These reclassifications had no effect on the net assets or net asset value per share of the Fund.

As of October 31, 2007, the components of distributable earnings (accumulated losses) and unrealized appreciation (depreciation) on a tax basis were as follows:

| | |
|---------------------------|-----------------|
| Capital loss carryforward | \$ (14,592,850) |
| Unrealized depreciation | \$ (21,438,020) |

The differences between components of distributable earnings (accumulated loss) on a tax basis and the amounts reflected in the statement of assets and liabilities are primarily due to differences in book and tax policies for wash sales and premium amortization.

4 Investment Adviser Fee and Other Transactions with Affiliates

The investment adviser fee, computed at an annual rate of 0.75% of the average daily gross assets of the Fund, was earned by EVM, as compensation for management and investment advisory services rendered to the Fund. The portion of the advisory fee payable by Cash Management on the Fund's investment of cash therein is credited against the Fund's advisory fee. For the year ended October 31, 2007, the Fund's advisory fee totaled \$7,603,866 of which \$110,594 was allocated from Cash Management and \$7,493,272 was paid or accrued directly by the Fund.

In addition, the Adviser has contractually agreed to reimburse the Fund for fees and other expenses in the amount of 0.20% of the average daily gross assets of the Fund for the first five full years of the Fund's operations, 0.15% in year 6, 0.10% in year 7, and 0.05% in year 8. For the year ended October 31, 2007 the Investment Adviser waived \$2,024,715 of its advisory fee.

Certain officers and Trustees of the Fund are officers of the above organization.

5 Purchases and Sales of Investments

Purchases and sales of investments, other than short-term obligations and including principal repayments, aggregated \$608,616,535 and \$573,556,105 respectively, for the year ended October 31, 2007.

6 Common Shares of Beneficial Interest

The Agreement and Declaration of Fund permits the Trustees to issue an unlimited number of full and fractional \$0.01 par value common shares of beneficial interest. In addition, the Fund may issue shares pursuant to its dividend reinvestment plan. Transactions in common shares were as follows:

| | Year Ended October 31, 2007 | Year Ended October 31, 2006 |
|--|--------------------------------|--------------------------------|
| Issued to shareholders electing to receive payments of distributions | 112,331 | |

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in Fund shares

Net increase 112,331

7 Federal Income Tax Basis of Unrealized Appreciation (Depreciation)

The cost and unrealized appreciation (depreciation) of investments of the Fund at October 31, 2007, as determined on a federal income tax basis, were as follows:

| | |
|-------------------------------|------------------|
| Aggregate cost | \$ 1,017,081,668 |
| Gross unrealized appreciation | \$ 3,335,344 |
| Gross unrealized depreciation | (24,242,748) |
| Net unrealized depreciation | \$ (20,907,404) |

The net unrealized depreciation on swaps, foreign currency and forward foreign currency exchange contracts at October 31, 2007 on a federal income tax basis was \$530,616.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS CONT'D

8 Risk Associated with Foreign Investments

Investing in securities issued by companies whose principal business activities are outside the United States may involve significant risks not present in domestic investments. For example, there is generally less publicly available information about foreign companies, particularly those not subject to the disclosure and reporting requirements of the U.S. securities laws. Certain foreign issuers are generally not bound by uniform accounting, auditing, and financial reporting requirements and standards of practice comparable to those applicable to domestic issuers. Investments in foreign securities also involve the risk of possible adverse changes in investment or exchange control regulations, expropriation or confiscatory taxation, limitation on the removal of funds or other assets of the Fund, political or financial instability or diplomatic and other developments which could affect such investments. Foreign stock markets, while growing in volume and sophistication, are generally not as developed as those in the United States, and securities of some foreign issuers (particularly those located in developing countries) may be less liquid and more volatile than securities of comparable U.S. companies. In general, there is less overall governmental supervision and regulation of foreign securities markets, broker-dealers and issuers than in the United States.

9 Financial Instruments

The Fund may trade in financial instruments with off-balance sheet risk in the normal course of its investing activities to assist in managing exposure to various market risks. These financial instruments may include financial futures, forward foreign currency exchange contracts and swap contracts and may involve, to a varying degree, elements of risk in excess of the amounts recognized for financial statement purposes. The notional or contractual amounts of these instruments represent the investment the Fund has in particular classes of financial instruments and does not necessarily represent the amounts potentially subject to risk. The measurement of the risks associated with these instruments is meaningful only when all related and offsetting transactions are considered. A summary of obligations under these financial instruments at October 31, 2007 is as follows:

Forward Foreign Currency Exchange Contracts

Sales

| Settlement Date | Deliver | In Exchange for | Net Unrealized Appreciation/ (Depreciation) |
|-----------------|-----------------------------|------------------------------------|---|
| 11/1/07 | Euro 5,742 | United States Dollar 8,326 | \$ 18 |
| 11/30/07 | Euro 40,178,102 | United States Dollar 57,909,195 | (244,967) |
| 11/30/07 | British Pound 12,252,431 | United States Dollar 25,222,241 | (208,324) |
| | | | \$ (453,273) |

Credit Default Swaps

The Fund has entered into credit default swap whereby the Fund is buying protection against default exposing the Fund to risk associated with changes in credit spreads of the underlying instrument.

| Counterparty | Reference Entity | Buy/Sell | Notional Amount (000's omitted) | Receive Annual Fixed Rate | Termination Date | Unrealized Appreciation |
|-----------------------|------------------|----------|---------------------------------|---------------------------|------------------|-------------------------|
| Lehman Brothers, Inc. | Inergy, L.P. | Buy | \$ 2,000 | 2.20% | 3/22/2010 | \$ 49,397 |

At October 31, 2007 the Fund had sufficient cash and/or securities to cover commitments under these contracts.

10 Recently Issued Accounting Pronouncements

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In June 2006, the Financial Accounting Standards Board (FASB) issued FASB Interpretation No. 48 (FIN 48), "Accounting for Uncertainty in Income Taxes - an interpretation of FASB Statement No. 109". FIN 48 clarifies the accounting for uncertainty in income taxes recognized in accordance with FASB Statement No. 109, "Accounting for Income Taxes". This interpretation prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. It also provides guidance on de-recognition, classification, interest and penalties, accounting in interim periods, disclosure and transition. FIN 48 is effective on the last business day of the first required financial reporting period for fiscal years beginning after December 15, 2006. Management is

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

NOTES TO FINANCIAL STATEMENTS CONT'D

currently evaluating the impact of applying the various provisions of FIN 48.

In September 2006, the FASB issued Statement of Financial Accounting Standards No. 157 (FAS 157), "Fair Value Measurements". FAS 157 defines fair value, establishes a framework for measuring fair value in accordance with generally accepted accounting principles and expands disclosure about fair value measurements. FAS 157 is effective for fiscal years beginning after November 15, 2007. Management is currently evaluating the impact the adoption of FAS 157 will have on the Fund's financial statement disclosures.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Trustees and Shareholders
of Eaton Vance Senior Floating-Rate Trust:

We have audited the accompanying statement of assets and liabilities of Eaton Vance Senior Floating-Rate Trust (the "Fund"), including the portfolio of investments, as of October 31, 2007, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the three years in the period then ended and for the period from the start of business, November 28, 2003, to October 31, 2004. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. The Fund is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. Our procedures included confirmation of securities and senior loans owned as of October 31, 2007, by correspondence with the custodian, brokers, and selling or agent banks; where replies were not received from brokers and selling or agent banks, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of Eaton Vance Senior Floating-Rate Trust as of October 31, 2007, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the three years in the period then ended and for the period from the start of business, November 28, 2003, to October 31, 2004, in conformity with accounting principles generally accepted in the United States of America.

DELOITTE & TOUCHE LLP
Boston, Massachusetts
December 19, 2007

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

FEDERAL TAX INFORMATION (Unaudited)

The Form 1099-DIV you receive in January 2008 will show the tax status of all distributions paid to your account in calendar 2007. Shareholders are advised to consult their own tax adviser with respect to the tax consequences of their investment in the Fund.

Eaton Vance Senior Floating-Rate Trust

DIVIDEND REINVESTMENT PLAN

The Fund offers a dividend reinvestment plan (the Plan) pursuant to which shareholders may elect to have dividends and capital gains distributions reinvested in common shares (the Shares) of the Fund. You may elect to participate in the Plan by completing the Dividend Reinvestment Plan Application Form. If you do not participate, you will receive all distributions in cash paid by check mailed directly to you by PFPC Inc. as dividend paying agent. On the distribution payment date, if the net asset value per Share is equal to or less than the market price per Share plus estimated brokerage commissions then new Shares will be issued. The number of Shares shall be determined by the greater of the net asset value per Share or 95% of the market price. Otherwise, Shares generally will be purchased on the open market by the Plan Agent. Distributions subject to income tax (if any) are taxable whether or not shares are reinvested.

If your shares are in the name of a brokerage firm, bank, or other nominee, you can ask the firm or nominee to participate in the Plan on your behalf. If the nominee does not offer the Plan, you will need to request that your shares be re-registered in your name with the Trust's transfer agent, PFPC, Inc. or you will not be able to participate.

The Plan Agent's service fee for handling distributions will be paid by the Fund. Each participant will be charged their pro rata share of brokerage commissions on all open-market purchases.

Plan participants may withdraw from the Plan at any time by writing to the Plan Agent at the address noted on the following page. If you withdraw, you will receive shares in your name for all Shares credited to your account under the Plan. If a participant elects by written notice to the Plan Agent to have the Plan Agent sell part or all of his or her Shares and remit the proceeds, the Plan Agent is authorized to deduct a \$5.00 fee plus brokerage commissions from the proceeds.

If you wish to participate in the Plan and your shares are held in your own name, you may complete the form on the following page and deliver it to the Plan Agent.

Any inquires regarding the Plan can be directed to the Plan Agent, PFPC, Inc., at 1-800-331-1710.

Eaton Vance Senior Floating-Rate Trust

APPLICATION FOR PARTICIPATION IN DIVIDEND REINVESTMENT PLAN

This form is for shareholders who hold their common shares in their own names. If your common shares are held in the name of a brokerage firm, bank, or other nominee, you should contact your nominee to see if it will participate in the Plan on your behalf. If you wish to participate in the Plan, but your brokerage firm, bank, or nominee is unable to participate on your behalf, you should request that your common shares be re-registered in your own name which will enable your participation in the Plan.

The following authorization and appointment is given with the understanding that I may terminate it at any time by terminating my participation in the Plan as provided in the terms and conditions of the Plan.

Please print exact name on account:

Shareholder signature Date

Shareholder signature Date

Please sign exactly as your common shares are registered. All persons whose names appear on the share certificate must sign.

YOU SHOULD NOT RETURN THIS FORM IF YOU WISH TO RECEIVE YOUR DIVIDENDS AND DISTRIBUTIONS IN CASH. THIS IS NOT A PROXY.

This authorization form, when signed, should be mailed to the following address:

Eaton Vance Senior Floating-Rate Trust
c/o PFPC, Inc.
P.O. Box 43027
Providence, RI 02940-3027
800-331-1710

Number of Employees

The Trust is organized as a Massachusetts business trust and is registered under the Investment Company Act of 1940, as amended, as a diversified closed-end management investment company and has no employees.

Number of Shareholders

As of October 31, 2007, our records indicate that there are 16 registered shareholders and approximately 30,588 shareholders owning the Trust shares in street name, such as through brokers, banks, and financial intermediaries.

If you are a street name shareholder and wish to receive our reports directly, which contain important information about the Trust, please write or call:

Eaton Vance Distributors, Inc.
The Eaton Vance Building
255 State Street
Boston, MA 02109
1-800-225-6265

New York Stock Exchange symbol

The New York Stock Exchange symbol is EFR.

Eaton Vance Senior Floating-Rate Trust

BOARD OF TRUSTEES' ANNUAL APPROVAL OF THE INVESTMENT ADVISORY AGREEMENT

Overview of the Contract Review Process

The Investment Company Act of 1940, as amended (the "1940 Act"), provides, in substance, that each investment advisory agreement between a fund and its investment adviser will continue in effect from year to year only if its continuance is approved at least annually by the fund's board of trustees, including by a vote of a majority of the trustees who are not "interested persons" of the fund ("Independent Trustees"), cast in person at a meeting called for the purpose of considering such approval.

At a meeting of the Boards of Trustees (each a "Board") of the Eaton Vance group of mutual funds (the "Eaton Vance Funds") held on April 23, 2007, the Board, including a majority of the Independent Trustees, voted to approve continuation of existing advisory and sub-advisory agreements for the Eaton Vance Funds for an additional one-year period. In voting its approval, the Board relied upon the affirmative recommendation of the Special Committee of the Board, which is a committee comprised exclusively of Independent Trustees. Prior to making its recommendation, the Special Committee reviewed information furnished for a series of meetings of the Special Committee held in February, March and April 2007. Such information included, among other things, the following:

Information about Fees, Performance and Expenses

An independent report comparing the advisory and related fees paid by each fund with fees paid by comparable funds;

An independent report comparing each fund's total expense ratio and its components to comparable funds;

An independent report comparing the investment performance of each fund to the investment performance of comparable funds over various time periods;

Data regarding investment performance in comparison to relevant peer groups of funds and appropriate indices;

Comparative information concerning fees charged by each adviser for managing other mutual funds and institutional accounts using investment strategies and techniques similar to those used in managing the fund;

Profitability analyses for each adviser with respect to each fund;

Information about Portfolio Management

Descriptions of the investment management services provided to each fund, including the investment strategies and processes employed;

Information concerning the allocation of brokerage and the benefits received by each adviser as a result of brokerage allocation, including information concerning the acquisition of research through "soft dollar" benefits received in connection with the funds' brokerage, and the implementation of a soft dollar reimbursement program established with respect to the funds;

Data relating to portfolio turnover rates of each fund;

The procedures and processes used to determine the fair value of fund assets and actions taken to monitor and test the effectiveness of such procedures and processes;

Information about each Adviser

Reports detailing the financial results and condition of each adviser;

Descriptions of the qualifications, education and experience of the individual investment professionals whose responsibilities include portfolio management and investment research for the funds, and information relating to their compensation and responsibilities with respect to managing other mutual funds and investment accounts;

Copies of the Codes of Ethics of each adviser and its affiliates, together with information relating to compliance with and the administration of such codes;

Copies of or descriptions of each adviser's proxy voting policies and procedures;

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Information concerning the resources devoted to compliance efforts undertaken by each adviser and its affiliates on behalf of the funds (including descriptions of various compliance programs) and their record of compliance with investment policies and restrictions, including policies with respect to market-timing, late trading and selective portfolio disclosure, and with policies on personal securities transactions;

Descriptions of the business continuity and disaster recovery plans of each adviser and its affiliates;

Other Relevant Information

Information concerning the nature, cost and character of the administrative and other non-investment management services provided by Eaton Vance Management and its affiliates;

Information concerning management of the relationship with the custodian, subcustodians and fund accountants by each adviser or the funds' administrator; and

The terms of each advisory agreement.

In addition to the information identified above, the Special Committee considered information provided from time to time by each adviser throughout the year at meetings of the Board and its committees. Over the course of the twelve-month period ended

Eaton Vance Senior Floating-Rate Trust

BOARD OF TRUSTEES' ANNUAL APPROVAL OF THE INVESTMENT ADVISORY AGREEMENT CONT'D

April 30, 2007, the Board met ten times and the Special Committee, the Audit Committee and the Governance Committee, each of which is a Committee comprised solely of Independent Trustees, met twelve, fourteen and eight times, respectively. At such meetings, the Trustees received, among other things, presentations by the portfolio managers and other investment professionals of each adviser relating to the investment performance of each fund and the investment strategies used in pursuing the fund's investment objective.

For funds that invest through one or more underlying portfolios, the Board considered similar information about the portfolio(s) when considering the approval of advisory agreements. In addition, in cases where the fund's investment adviser has engaged a sub-adviser, the Board considered similar information about the sub-adviser when considering the approval of any sub-advisory agreement.

The Special Committee was assisted throughout the contract review process by Goodwin Procter LLP, legal counsel for the Independent Trustees. The members of the Special Committee relied upon the advice of such counsel and their own business judgment in determining the material factors to be considered in evaluating each advisory and sub-advisory agreement and the weight to be given to each such factor. The conclusions reached with respect to each advisory and sub-advisory agreement were based on a comprehensive evaluation of all the information provided and not any single factor. Moreover, each member of the Special Committee may have placed varying emphasis on particular factors in reaching conclusions with respect to each advisory and sub-advisory agreement.

Results of the Process

Based on its consideration of the foregoing, and such other information as it deemed relevant, including the factors and conclusions described below, the Special Committee concluded that the continuance of the investment advisory agreement between the Eaton Vance Senior Floating-Rate Trust (the "Fund"), and Eaton Vance Management (the "Adviser"), including its fee structure, is in the interests of shareholders and, therefore, the Special Committee recommended to the Board approval of the agreement. The Board accepted the recommendation of the Special Committee as well as the factors considered and conclusions reached by the Special Committee with respect to the agreement. Accordingly, the Board, including a majority of the Independent Trustees, voted to approve continuation of the advisory agreement for the Fund.

Nature, Extent and Quality of Services

In considering whether to approve the investment advisory agreement of the Fund, the Board evaluated the nature, extent and quality of services provided to the Fund by the Adviser.

The Board considered the Adviser's management capabilities and investment process with respect to the types of investments held by the Fund, including the education, experience and number of its investment professionals and other personnel who provide portfolio management, investment research, and similar services to the Fund. In particular, the Board evaluated the abilities and experience of such investment personnel in analyzing special considerations relevant to investing in senior secured floating-rate loans. Specifically, the Board noted the experience of the Adviser's 30 bank loan investment professionals and other personnel who provide services to the Fund, including five portfolio managers and 17 analysts. The Board also took into account the resources dedicated to portfolio management and other services, including the compensation paid to recruit and retain investment personnel, and the time and attention devoted to the Fund by senior management.

The Board also reviewed the compliance programs of the Adviser and relevant affiliates thereof. Among other matters, the Board considered compliance and reporting matters relating to personal trading by investment personnel, selective disclosure of portfolio holdings, late trading, frequent trading, portfolio valuation, business continuity and the allocation of investment opportunities. The Board also evaluated the responses of the Adviser and its affiliates to requests from regulatory authorities such as the Securities and Exchange Commission and the National Association of Securities Dealers.

The Board considered shareholder and other administrative services provided or managed by Eaton Vance Management and its affiliates, including transfer agency and accounting services. The Board evaluated the benefits to shareholders of investing in a fund that is a part of a large family of funds.

After consideration of the foregoing factors, among others, the Board concluded that the nature, extent and quality of services provided by the Adviser, taken as a whole, are appropriate and consistent with the terms of the investment advisory agreement.

Fund Performance

The Board compared the Fund's investment performance to a relevant universe of similarly managed funds identified by an independent data provider and appropriate benchmark indices. The Board reviewed comparative performance data for the year ended September 30, 2006 for the Fund. On the basis of the foregoing and other relevant information, the Board concluded that the performance of the Fund was satisfactory.

Eaton Vance Senior Floating-Rate Trust

BOARD OF TRUSTEES' ANNUAL APPROVAL OF THE INVESTMENT ADVISORY AGREEMENT CONT'D

Management Fees and Expenses

The Board reviewed contractual investment advisory fee rates, including any administrative fee rates, payable by the Fund (referred to as "management fees"). As part of its review, the Board considered the management fees and the Fund's total expense ratio for the year ended September 30, 2006, as compared to a group of similarly managed funds selected by an independent data provider. The Board considered the fact that the Adviser had waived fees and/or paid expenses for the Fund.

After reviewing the foregoing information, and in light of the nature, extent and quality of the services provided by the Adviser, the Board concluded that the management fees charged for advisory and related services and the Fund's total expense ratio are reasonable.

Profitability

The Board reviewed the level of profits realized by the Adviser and relevant affiliates thereof in providing investment advisory and administrative services to the Fund and to all Eaton Vance Funds as a group. The Board considered the level of profits realized without regard to revenue sharing or other payments by the Adviser and its affiliates to third parties in respect of distribution services. The Board also considered other direct or indirect benefits received by the Adviser and its affiliates in connection with its relationship with the Fund.

The Board concluded that, in light of the foregoing factors and the nature, extent and quality of the services rendered, the profits realized by the Adviser and its affiliates are reasonable.

Economies of Scale

In reviewing management fees and profitability, the Board also considered the extent to which the Adviser and its affiliates, on the one hand, and the Fund, on the other hand, can expect to realize benefits from economies of scale as the assets of the Fund increase. The Board acknowledged the difficulty in accurately measuring the benefits resulting from the economies of scale with respect to the management of any specific fund or group of funds. The Board also considered the fact that the Fund is not continuously offered and concluded that, in light of the level of the adviser's profits with respect to the Fund, the implementation of breakpoints in the advisory fee schedule is not appropriate. Based upon the foregoing, the Board concluded that the benefits from economies of scale are currently being shared equitably by the Adviser and its affiliates and the Fund.

Eaton Vance Senior Floating-Rate Trust

MANAGEMENT AND ORGANIZATION

Trust Management. The Trustees of Eaton Vance Senior Floating-Rate Trust (the Trust) are responsible for the overall management and supervision of the Trust's affairs. The Trustees and officers of the Trust are listed below. Except as indicated, each individual has held the office shown or other offices in the same company for the last five years. Trustees and officers of the Trust hold indefinite terms of office. The "noninterested Trustees" consist of those Trustees who are not "interested persons" of the Trust, as that term is defined under the 1940 Act. The business address of each Trustee and officer is The Eaton Vance Building, 255 State Street, Boston, Massachusetts 02109. As used below, "EVC" refers to Eaton Vance Corp., "EV" refers to Eaton Vance, Inc., "EVM" refers to Eaton Vance Management, "BMR" refers to Boston Management and Research, and "EVD" refers to Eaton Vance Distributors, Inc. EVC and EV are the corporate parent and trustee, respectively, of EVM and BMR. EVD is the Trust's principal underwriter and a wholly-owned subsidiary of EVM. Each officer affiliated with Eaton Vance may hold a position with other Eaton Vance affiliates that is comparable to his or her position with EVM listed below.

| Name and Date of Birth | Position(s) with the Trust | Term of Office and Length of Service | Principal Occupation(s) During Past Five Years | Number of Portfolios in Fund Complex Overseen By Trustee ⁽¹⁾ | Other Directorships Held |
|--|------------------------------------|--|--|---|--|
| Interested Trustee | | | | | |
| Thomas E. Faust Jr. 5/31/58 | Trustee and President of the Trust | Trustee since 2007 and President since 2003. | Chairman, Chief Executive Officer and President of EVC, President of EV, Chief Executive Officer and President of EVM and BMR, and Director of EVD. Trustee and/or Officer of 176 registered investment companies and 5 private investment companies in the Eaton Vance Fund Complex. Mr. Faust is an interested person because of his positions with EVM, BMR, EVC and EV which are affiliates of the Trust. | 176 | Director of EVC |
| Noninterested Trustee(s) | | | | | |
| Benjamin C. Esty ^(A) 1/2/63 | Trustee | Until 2010. 3 years. Trustee since 2005 | Roy and Elizabeth Simmons Professor of Business Administration, Harvard University Graduate School of Business Administration (since 2003). Formerly, Associate Professor, Harvard University Graduate School of Business Administration (2000-2003). | 176 | None |
| Allen R. Freedman 4/3/40 | Trustee | Until 2010. 3 years. Trustee since 2007 | Former Chairman and Chief Executive Officer of Assurant, Inc. (insurance provider) (1978-2000). Formerly, a Director of Loring Ward International (fund distributor) (2005-2007). | 175 | Director of Assurant, Inc. and Stonemor Partners L.P. (owner and operator of cemeteries) |
| William H. Park 9/19/47 | Trustee | Until 2008. 3 years. Trustee since 2003 | Vice Chairman, Commercial Industrial Finance Corp. (specialty finance company) (since 2006). Formerly, President and Chief Executive Officer, Prizm Capital Management, LLC (investment management firm) (since 2002-2005). | 176 | None |
| Ronald A. Pearlman 7/10/40 | Trustee | Until 2009. 3 years. Trustee since 2003 | Professor of Law, Georgetown University Law Center. | 176 | None |
| Norton H. Reamer ^(A) 9/21/35 | Trustee | Until 2009. 3 years. Trustee since 2003 | President, Chief Executive Officer and a Director of Asset Management Finance Corp. (a specialty finance company serving the investment management industry) (since October 2003). President, Unicorn Corporation (an investment and financial advisory services company) (since September 2000). Formerly, Chairman and Chief Operating Officer, Hellman, Jordan Management Co., Inc. (an investment management company) (2000-2003). Formerly, Advisory Director of Berkshire Capital Corporation (investment banking firm) (2002-2003). | 176 | None |

Eaton Vance Senior Floating-Rate Trust

MANAGEMENT AND ORGANIZATION CONT'D

| Name and Date of Birth | Position(s) with the Trust | Term of Office and Length of Service | Principal Occupation(s) During Past Five Years | Number of Portfolios in Fund Complex Overseen By Trustee ⁽¹⁾ | Other Directorships Held |
|--------------------------------------|-----------------------------------|--|--|---|---|
| Noninterested Trustee(s) (continued) | | | | | |
| Heidi L. Steiger 7/8/53 | Trustee | Until 2009. 2 years. Trustee since 2007. | President, Lowenhaupt Global Advisors, LLC (global wealth management firm) (since 2005); Formerly, President and Contributing Editor, Worth Magazine (2004); Formerly, Executive Vice President and Global Head of Private Asset Management (and various other positions), Neuberger Berman (investment firm) (1986-2004). | 173 | Director of Nuclear Electric Insurance Ltd. (nuclear insurance provider) and Aviva USA (insurance provider) |
| Lynn A. Stout 9/14/57 | Trustee | Until 2010. 3 years. Trustee since 2003 | Paul Hastings Professor of Corporate and Securities Law, University of California at Los Angeles School of Law. | 176 | None |
| Ralph F. Verni 1/26/43 | Chairman of the Board and Trustee | Chairman of the Board since 2007. Trustee until 2008. 3 years. Trustee since 2005. | Consultant and private investor. | 176 | None |

Principal Officers who are not Trustees

| Name and Date of Birth | Position(s) with the Trust | Term of Office and Length of Service | Principal Occupation(s) During Past Five Years |
|--------------------------------|----------------------------|--------------------------------------|---|
| Scott H. Page 11/30/59 | Vice President | Since 2003 | Vice President EVM and BMR. Officer of 15 registered investment companies managed by EVM or BMR. |
| Craig Russ 10/30/63 | Vice President | Since 2003 | Vice President EVM and BMR. Officer of 9 registered investment companies managed by EVM or BMR. |
| Michael Weilheimer 2/11/61 | Vice President | Since 2003 | Vice President of EVM and BMR. Officer of 24 registered investment companies managed by EVM or BMR. |
| Barbara E. Campbell 6/19/57 | Treasurer | Since 2003 | Vice President of EVM and BMR. Officer of 176 registered investment companies managed by EVM or BMR. |
| Maureen A. Gemma 5/24/60 | Secretary | Since 2003 | Vice President and Deputy Chief Legal Officer of EVM and BMR. Officer of 176 registered investment companies managed by EVM or BMR. |
| Paul M. O'Neil 7/11/53 | Chief Compliance Officer | Since 2004 | Vice President of EVM and BMR. Officer of 176 registered investment companies managed by EVM or BMR. |

⁽¹⁾ Includes both master and feeder funds in a master-feeder structure.

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(A) APS Trustee

In accordance with Section 303A.12 (a) of the New York Stock Exchange Listed Company Manual, the Fund's Annual CEO Certification certifying as to compliance with NYSE's Corporate Governance Listing Standards was submitted to the Exchange on September 18, 2007.

**Investment Adviser of Eaton Vance Senior Floating-Rate Trust
Eaton Vance Management**

The Eaton Vance Building
255 State Street
Boston, MA 02109

**Administrator of Eaton Vance Senior Floating-Rate Trust
Eaton Vance Management**

The Eaton Vance Building
255 State Street
Boston, MA 02109

**Custodian
State Street Bank and Trust Company**

200 Clarendon Street
Boston, MA 02116

**Transfer Agent
PFPC Inc.**

Attn: Eaton Vance Funds
P.O. Box 43027
Providence, RI 02940-3027
(800) 331-1710

**Independent Registered Public Accounting Firm
Deloitte & Touche LLP**

200 Berkeley Street
Boston, MA 02116-5022

**Eaton Vance Senior Floating-Rate Trust
The Eaton Vance Building
255 State Street
Boston, MA 02109**

2025-12/07 CE-FLRTSRC

Item 2. Code of Ethics

The registrant has adopted a code of ethics applicable to its Principal Executive Officer, Principal Financial Officer and Principal Accounting Officer. The registrant undertakes to provide a copy of such code of ethics to any person upon request, without charge, by calling 1-800-262-1122.

Item 3. Audit Committee Financial Expert

The registrant's Board has designated William H. Park and Norton H. Reamer, each an independent trustee, as its audit committee financial experts. Mr. Park is a certified public accountant who is the Vice Chairman of Commercial Industrial Finance Corp (specialty finance company). Previously, he served as President and Chief Executive Officer of Prizm Capital Management, LLC (investment management firm) and as Executive Vice President and Chief Financial Officer of United Asset Management Corporation (UAM) (a holding company owning institutional investment management firms). Mr. Reamer is the President, Chief Executive Officer and a Director of Asset Management Finance Corp. (a specialty finance company serving the investment management industry) and is President of Unicorn Corporation (an investment and financial advisory services company). Formerly, Mr. Reamer was Chairman and Chief Operating Officer of Hellman, Jordan Management Co., Inc. (an investment management company) and Advisory Director of Berkshire Capital Corporation (an investment banking firm), Chairman of the Board of UAM and Chairman, President and Director of the UAM Funds (mutual funds).

Item 4. Principal Accountant Fees and Services

(a)-(d)

The following table presents aggregate fees billed to the registrant for the fiscal years ended October 31, 2006 and October 31, 2007 by the registrant's principal accountant for professional services rendered for the audit of the registrant's annual financial statements and fees billed for other services rendered by the principal accountant during those periods.

| Fiscal Years Ended | 10/31/2006 | 10/31/2007 |
|-----------------------|------------|------------|
| Audit Fees | \$ 69,050 | \$ 76,550 |
| Audit-Related Fees(1) | \$ 5,000 | \$ 5,150 |
| Tax Fees(2) | \$ 8,100 | \$ 11,384 |
| All Other Fees(3) | \$ 0 | \$ 0 |
| Total | \$ 82,150 | \$ 93,084 |

(1) Audit-related fees consist of the aggregate fees billed for assurance and related services that are reasonably related to the performance of the audit of the registrant's financial statements and are not reported under the category of audit fees and specifically include fees for the performance of certain agreed upon procedures relating to the registrant's auction preferred shares.

(2) Tax fees consist of the aggregate fees billed for professional services rendered by the principal accountant relating to tax compliance, tax advice, and tax planning and specifically include fees for tax return preparation and other related tax compliance/planning matters

(3) All other fees consist of the aggregate fees billed for products and services provided by the registrant's principal accountant other than audit, audit-related, and tax services.

(e)(1) The registrant's audit committee has adopted policies and procedures relating to the pre-approval of services provided by the registrant's principal accountant (the Pre-Approval Policies). The Pre-Approval

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Policies establish a framework intended to assist the audit committee in the proper discharge of its pre-approval responsibilities. As a general matter, the Pre-Approval Policies (i) specify certain types of audit, audit-related, tax, and other services determined to be pre-approved by the audit committee; and (ii) delineate specific procedures governing the mechanics of the pre-approval process, including the approval and monitoring of audit and non-audit service fees. Unless a service is specifically pre-approved under the Pre-Approval Policies, it must be separately pre-approved by the Audit Committee.

The Pre-Approval Policies and the types of audit and non-audit services pre-approved therein must be reviewed and ratified by the registrant's audit committee at least annually. The registrant's audit committee maintains full responsibility for the appointment, compensation, and oversight of the work of the registrant's principal accountant.

(e)(2) No services described in paragraphs (b)-(d) above were approved by the registrant's audit committee pursuant to the de minimis exception set forth in Rule 2-01 (c)(7)(i)(C) of Regulation S-X.

(f) Not applicable.

(g) The following table presents (i) the aggregate non-audit fees (i.e., fees for audit-related, tax, and other services) billed to the registrant by the registrant's principal accountant for the registrant's fiscal years ended October 31, 2006 and October 31, 2007; and (ii) the aggregate non-audit fees (i.e., fees for audit-related, tax, and other services) billed to the Eaton Vance organization by the registrant's principal accountant for the same time periods, respectively.

| Fiscal Years Ended | 10/31/ 2006 | 10/31/2007 |
|-----------------------|-------------|------------|
| Registrant | \$ 13,100 | \$ 16,534 |
| Eaton Vance(1) | \$ 72,100 | \$ 286,446 |

(1) Certain subsidiaries of Eaton Vance Corp. provide ongoing services to the registrant.

(h) The registrant's audit committee has considered whether the provision by the registrant's principal accountant of non-audit services to the registrant's investment adviser and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the registrant that were not pre-approved pursuant to Rule 2-01(c)(7)(ii) of Regulation S-X is compatible with maintaining the principal accountant's independence.

Item 5. Audit Committee of Listed registrants

The registrant has a separately-designated standing audit committee established in accordance with Section 3(a)(58)(A) of the Securities and Exchange Act of 1934, as amended. Norton H. Reamer

(Chair), William H. Park, Lynn A. Stout, Heidi L. Steiger and Ralph E. Verni are the members of the registrant's audit committee.

Item 6. Schedule of Investments

Please see schedule of investments contained in the Report to Stockholders included under Item 1 of this Form N-CSR.

Item 7. Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies

The Board of Trustees of the Trust has adopted a proxy voting policy and procedure (the Fund Policy), pursuant to which the Trustees have delegated proxy voting responsibility to the Fund's investment adviser and adopted the investment adviser's proxy voting policies and procedures (the Policies) which are described below. The Trustees will review the Fund's proxy voting records from time to time and will annually consider approving the Policies for the upcoming year. In the event that a conflict of interest arises between the Fund's shareholders and the investment adviser, the administrator, or any of their affiliates or any affiliate of the Fund, the investment adviser will generally refrain from voting the proxies related to the companies giving rise to such conflict until it consults with the Board's Special Committee except as contemplated under the Fund Policy. The Board's Special Committee will instruct the investment adviser on the appropriate course of action.

The Policies are designed to promote accountability of a company's management to its shareholders and to align the interests of management with those shareholders. An independent proxy voting service (Agent), currently Institutional Shareholder Services, Inc., has been retained to assist in the voting of proxies through the provision of vote analysis, implementation and recordkeeping and disclosure services. The investment adviser will generally vote proxies through the Agent. The Agent is required to vote all proxies and/or refer them back to the investment adviser pursuant to the Policies. It is generally the policy of the investment adviser to vote in accordance with the recommendation of the Agent. The Agent shall refer to the investment adviser proxies relating to mergers and restructurings, and the disposition of assets, termination, liquidation and mergers contained in mutual fund proxies. The investment adviser will normally vote against anti-takeover measures and other proposals designed to limit the ability of shareholders to act on possible transactions, except in the case of closed-end management investment companies. The investment adviser generally supports management on social and environmental proposals. The investment adviser may abstain from voting from time to time where it determines that the costs associated with voting a proxy outweighs the benefits derived from exercising the right to vote or the economic effect on shareholders' interests or the value of the portfolio holding is indeterminable or insignificant.

In addition, the investment adviser will monitor situations that may result in a conflict of interest between the Fund's shareholders and the investment adviser, the administrator, or any of their affiliates or any affiliate of the Fund by maintaining a list of significant existing and prospective corporate clients. The investment adviser's personnel responsible for reviewing and voting proxies on behalf of the Fund will report any proxy received or expected to be received from a company included on that list to the personal of the investment adviser identified in the Policies. If such personnel expects to instruct the

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Agent to vote such proxies in a manner inconsistent with the guidelines of the Policies or the recommendation of the Agent, the personnel will consult with members of senior management of the investment adviser to determine if a material conflict of interests exists. If it is determined that a material conflict does exist, the investment adviser will seek instruction on how to vote from the Special Committee.

Information on how the Fund voted proxies relating to portfolio securities during the most recent 12 month period ended June 30 is available (1) without charge, upon request, by calling 1-800-262-1122, and (2) on the Securities and Exchange Commission's website at <http://www.sec.gov>.

Item 8. Portfolio Managers of Closed-End Management Investment Companies

Scott H. Page, Craig P. Russ, Payson F. Swaffield and other Eaton Vance Management (EVM) investment professionals comprise the investment team responsible for the overall management of the Fund's investments as well as allocations of the Fund's assets between common and preferred stocks. Messrs. Page, Russ and Swaffield are the portfolio managers responsible for the day-to-day management of the Trust's investments.

Mr. Page has been an Eaton Vance portfolio manager since 1996 and is a Vice President of EVM and Boston Management and Research, an Eaton Vance subsidiary (BMR). He is co-head of Eaton Vance's Senior Loan Group. Mr. Russ been with Eaton Vance since 1997 and is a Vice President of EVM and BMR. Mr. Swaffield has been an Eaton Vance portfolio manager since 1996 and is a Vice President of EVM and BMR. Along with Mr. Page, he is co-head of Eaton Vance's Senior Loan Group. As of November 12, 2007, Mr. Swaffield is no longer a co-portfolio manager of the Trust or co-head of Eaton Vance's Senior Loan Group. This information is provided as of the date of filing of this report.

The following tables show, as of the Trust's most recent fiscal year end, the number of accounts each portfolio manager managed in each of the listed categories and the total assets in the accounts managed within each category. The table also shows the number of accounts with respect to which the advisory fee is based on the performance of the account, if any, and the total assets in those accounts.

| | Number of All Accounts | Total Assets of All Accounts* | Number of Accounts Paying a Performance Fee | Total Assets of Accounts Paying a Performance Fee* |
|----------------------------------|------------------------------|----------------------------------|--|--|
| Scott H. Page | | | | |
| Registered Investment Companies | 13 | \$ 14,983.1 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 7 | \$ 6,382.6 | 6 | \$ 3,243.8 |
| Other Accounts | 2 | \$ 1,035.6 | 0 | \$ 0 |
| Craig P. Russ | | | | |
| Registered Investment Companies | 1 | \$ 992.3 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 1 | \$ 3,138.8 | 0 | \$ 0 |
| Other Accounts | 0 | \$ 0 | 0 | \$ 0 |
| Payson F. Swaffield | | | | |
| Registered Investment Companies | 13 | \$ 14,983.1 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 7 | \$ 6,382.6 | 6 | \$ 3,243.8 |
| Other Accounts | 2 | \$ 1,035.6 | 0 | \$ 0 |

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*In millions of dollars. For registered investment companies, assets represent net assets of all open-end investment companies and gross assets of all closed-end investment companies.

The following table shows the dollar range of Fund shares beneficially owned by each portfolio manager as of the Fund's most recent fiscal year end.

| Portfolio Manager | Dollar Range of Equity Securities Owned in the Fund |
|---------------------|---|
| Scott H. Page | \$100,001-\$500,000 |
| Craig P. Russ | None |
| Payson F. Swaffield | \$50,001-\$100,000 |

Potential for Conflicts of Interest. The portfolio managers manage multiple investment portfolios. Conflicts of interest may arise between a portfolio manager's management of the Fund and his or her management of these other investment portfolios. Potential areas of conflict may include allocation of a portfolio manager's time, investment opportunities and trades among investment portfolios, including the Fund, personal securities transactions and use of Fund portfolio holdings information. In addition, some investment portfolios may compensate the investment adviser or sub-adviser based on the performance of the securities held by that account. The existence of such a performance based fee may create additional conflicts of interest for a portfolio manager in the allocation of management time and investment opportunities. EVM has adopted policies and procedures that it believes are reasonably designed to address these conflicts. There is no guarantee that such policies and procedures will be effective or that all potential conflicts will be anticipated.

Portfolio Manager Compensation Structure

Compensation of EVM's portfolio managers and other investment professionals has three primary components: (1) a base salary, (2) an annual cash bonus, and (3) annual stock-based compensation consisting of options to purchase shares of EVC's nonvoting common stock and/or restricted shares of EVC's nonvoting common stock. EVM's investment professionals also receive certain retirement, insurance and other benefits that are broadly available to all EVM's employees. Compensation of EVM's investment professionals is reviewed primarily on an annual basis. Cash bonuses, stock-based compensation awards, and adjustments in base salary are typically paid or put into effect at or shortly after the October 31st fiscal year end of EVC.

Method to Determine Compensation. EVM compensates its portfolio managers based primarily on the scale and complexity of their portfolio responsibilities and the total return performance of managed funds and accounts versus appropriate peer groups or benchmarks. Performance is normally based on periods ending on the September 30th preceding fiscal year end. Fund performance is evaluated primarily versus peer groups of funds as determined by Lipper Inc. and/or Morningstar, Inc. In evaluating the performance of a fund and its manager, primary emphasis is normally placed on three-year performance, with secondary consideration of performance over longer and shorter periods. For

funds that are tax-managed or otherwise have an objective of after-tax returns, performance is measured net of taxes. For other funds, performance is evaluated on a pre-tax basis. In addition to rankings within peer groups of funds on the basis of absolute performance, consideration may also be given to risk-adjusted performance. For funds with an investment objective other than total return (such as current income), consideration will also be given to the fund's success in achieving its objective. For managers responsible for multiple funds and accounts, investment performance is evaluated on an aggregate basis, based on averages or weighted averages among managed funds and accounts. Funds and accounts that have performance-based advisory fees are not accorded disproportionate weightings in measuring aggregate portfolio manager performance.

The compensation of portfolio managers with other job responsibilities (such as heading an investment group or providing analytical support to other portfolios) will include consideration of the scope of such responsibilities and the managers' performance in meeting them.

EVM seeks to compensate portfolio managers commensurate with their responsibilities and performance, and competitive with other firms within the investment management industry. EVM participates in investment-industry compensation surveys and utilizes survey data as a factor in determining salary, bonus and stock-based compensation levels for portfolio managers and other investment professionals. Salaries, bonuses and stock-based compensation are also influenced by the operating performance of EVM and its parent company. The overall annual cash bonus pool is based on a substantially fixed percentage of pre-bonus operating income. While the salaries of EVM's portfolio managers are comparatively fixed, cash bonuses and stock-based compensation may fluctuate significantly from year to year, based on changes in manager performance and other factors as described herein. For a high performing portfolio manager, cash bonuses and stock-based compensation may represent a substantial portion of total compensation.

Item 9. Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers.

No such purchases this period.

Item 10. Submission of Matters to a Vote of Security Holders.

No Material Changes.

Item 11. Controls and Procedures

(a) It is the conclusion of the registrant's principal executive officer and principal financial officer that the effectiveness of the registrant's current disclosure controls and procedures (such disclosure controls and procedures having been evaluated within 90 days of the date of this filing) provide reasonable assurance that the information required to be disclosed by the registrant has been recorded, processed, summarized and reported within the time period specified in the Commission's rules and forms and that the information required to be disclosed by the registrant has been accumulated and communicated to the registrant's principal executive officer and principal financial officer in order to allow timely decisions regarding required disclosure.

(b) There have been no changes in the registrant's internal controls over financial reporting during the second fiscal quarter 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

- (a)(1) Registrant's Code of Ethics Not applicable (please see Item 2).
 - (a)(2)(i) Treasurer's Section 302 certification.
 - (a)(2)(ii) President's Section 302 certification.
 - (b) Combined Section 906 certification.
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Signatures

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

Eaton Vance Senior Floating-Rate Trust

By: /s/Thomas E. Faust Jr.
Thomas E. Faust Jr.
President

Date: December 12, 2007

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/Barbara E. Campbell
Barbara E. Campbell
Treasurer

Date: December 12, 2007

By: /s/Thomas E. Faust Jr.
Thomas E. Faust Jr.
President

Date: December 12, 2007
