

EATON VANCE SENIOR INCOME TRUST
Form N-CSRS
February 25, 2011

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: 811-09013

Eaton Vance Senior Income Trust

(Exact Name of Registrant as Specified in Charter)

Two International Place, Boston, Massachusetts 02110

(Address of Principal Executive Offices)

Maureen A. Gemma

Two International Place, Boston, Massachusetts 02110

(Name and Address of Agent for Services)

(617) 482-8260

(Registrant's Telephone Number)

June 30

Date of Fiscal Year End

December 31, 2010

Date of Reporting Period

Item 1. Reports to Stockholders

Semiannual Report December 31,2010 EATON VANCE SENIOR INCOME TRUST

IMPORTANT NOTICES

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 Privacy 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. Our Privacy Policy applies only 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(s) (if applicable) will file a schedule of 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 at 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.

Additional Notice to Shareholders. The Fund may redeem or purchase its outstanding auction preferred shares (APS) in order to maintain compliance with regulatory requirements, borrowing or rating agency requirements or for other purposes as it deems appropriate or necessary. The Fund also may purchase shares of its common stock in the open market when they trade at a discount to net asset value or at other times if the Fund determines such purchases are advisable. There can be no assurance that the Fund will take such action or that such purchases would reduce the discount.

Eaton Vance Senior Income Trust as of December 31, 2010

INVESTMENT UPDATE

Economic and Market Conditions

Scott H. Page, CFA
Co-Portfolio Manager

John Redding
Co-Portfolio Manager

The bank loan market generated positive returns and remained generally healthy, if not as robust as earlier in 2010, during the six-month period ending December 31, 2010. Despite a negative return in the May-June period that was driven primarily by concerns over the European debt crisis, the floating-rate loan market regained strength for the remainder of the period. The S&P/LSTA Leveraged Loan Index¹ (the Index), had a total return of 6.57% for the six-month period.

The market's recovery was driven by stronger demand and greater liquidity in the marketplace, along with improved corporate fundamentals. As a result, investors in search of yield began to take on incremental credit risk once again, evidenced by improved inflows into high-yield bond and bank loan mutual funds. These greater inflows led to more robust demand in the secondary market, as well as increased refinancing activity, bond-for-loan takeouts, and a general improvement in the overall tone of the market—all of which contributed to tighter credit spreads and higher prices for bank loans. Importantly, and in contrast to other fixed-income sectors, bank loan credit spreads remained above their historical average levels over the London Interbank Offered Rate (LIBOR).

Bank loan issuer fundamentals, which have been improving for the past several quarters, continued this trend into the latter months of the period. Corporate operating earnings growth improved in the third and fourth quarters of 2010, while ratings downgrades and new defaults diminished to more modest levels.

Management Discussion

Eaton Vance Senior Income Trust (the Trust) is a closed-end fund and trades on the New York Stock Exchange (NYSE) under the symbol EVF. The Trust's investment objective is to provide a high level of current income, consistent with the preservation of capital. Under normal market conditions, the Trust invests at least 80% of its total assets in senior, secured floating-rate loans (Senior Loans). In managing the Trust, the investment adviser seeks to invest in a portfolio of senior loans that it believes will be less volatile over time than the general loan market. The Trust may also invest in second-lien loans and high-yield bonds, and may employ leverage, which may increase risk.

As of December 31, 2010, the Trust's investments included senior loans to 343 borrowers spanning 38 industries, with an average loan size of 0.26% of total investments, and no industry constituting more than 11.1% of total investments. Health care, cable and satellite television, and business equipment and services were the top three industry weightings.

Total Return Performance 6/30/10 12/31/10

NYSE Symbol	EVF
At Net Asset Value (NAV) ²	9.30%
At Market Price ²	11.39%
S&P/LSTA Leveraged Loan Index ¹	6.57%
Premium/(Discount) to NAV (12/31/10)	0.70%
Total Distributions per common share	\$0.271
Distribution Rate ³	
	<i>At NAV</i>
	6.08%
	<i>At Market Price</i>
	6.03%

See page 3 for more performance information.

- ¹ 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 expenses that would have been incurred if an investor individually purchased or sold the loans represented in the Index. Unlike the Trust, the Index's total return does not reflect the effect of leverage.
- ² Six-month returns are cumulative Performance results reflect the effects of Auction Preferred Shares (APS) and debt financing, which are forms of leverage. Absent a fee reduction by the investment adviser of the Trust, the returns would be lower.
- ³ The Distribution Rate is based on the Trust's last regular distribution per share in the period (annualized) divided by the Trust's NAV or market price at the end of the period. The Trust's distributions may be comprised of ordinary income, net realized capital gains and return of capital.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value or market price (as applicable) with all distributions reinvested. The returns do not include a dividend declared during the period but payable after period end. The Trust's performance at market price will differ from its results at NAV. Although market price performance generally reflects investment results over time, during shorter periods, returns at market price can also be affected by factors such as changing perceptions about the Trust, market conditions, fluctuations in supply and demand for the Trust's shares, or changes in Trust distributions. Investment return and principal value will fluctuate so that shares, when sold, may be worth more or less than their original cost. Performance is for the stated time period only; due to market volatility, the Trust'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.

Trust shares 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 Income Trust as of December 31, 2010

INVESTMENT UPDATE

Management's use of leverage was a significant factor in the Trust's outperformance of the Index, its benchmark, during the period. The Trust's loans acquired with borrowings were bolstered by generally strong conditions in the credit markets. As of December 31, 2010, the Trust employed leverage of 35.9% of total assets—27.0% from APS and 8.9% from borrowings.¹ Use of leverage creates an opportunity for income, but at the same time creates special risks (including the likelihood of greater volatility of NAV and market price of common shares).

The Trust continued to maintain smaller allocations to very large, lower-quality loans—notably, some significant issues that came to market in 2007—than did the Index. This underweighting detracted from performance during the period, because the price of these issues rallied more than the overall market as investors sought higher discount opportunities. The Trust's modestly lower allocation to B-rated loans, which rallied the most after the May/June volatility, also detracted from relative performance. However, the Trust's investments in European loans contributed positively to its performance during the period.

We continue to believe that the Trust is well positioned for the current market environment. The Trust invests broadly across the floating-rate loan market, providing shareholders with diversified exposure to the asset class.² The cornerstones of the Trust's investment approach have always been—and continue to be—bottom-up credit research and dedication to diversification.

¹ APS percentage represents the liquidation value of the Trust's APS outstanding at 12/31/10 as a percentage of the Trust's net assets applicable to common shares plus APS and borrowings outstanding. In the event of a rise in long-term interest rates, the value of the Trust's investment portfolio could decline, which would reduce the asset coverage for its APS and borrowings.

² Diversification cannot assure a profit or eliminate the risk of loss.

The views expressed throughout 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 the investment adviser disclaims any responsibility to update such views. These views may not be relied on as investment advice and, because investment decisions for a fund are based on many factors, may not be relied on as an indication of trading intent on behalf of any Eaton Vance fund. Portfolio information provided in the report may not be representative of the Trust's current or future investments and may change due to active management.

Eaton Vance Senior Income Trust as of December 31, 2010

TRUST PERFORMANCE

Portfolio Composition

Top 10 Holdings¹

By total investments

Community Health Systems, Inc.	1.2%
Aramark Corp.	1.1
SunGard Data Systems, Inc.	1.1
Intelsat Corp.	1.0
Rite Aid Corp.	1.0
UPC Broadband Holding B.V.	1.0
INEOS Group	0.9
Charter Communications Operating, LLC	0.9
Virgin Media Investment Holding	0.9
Dynegy Holdings, Inc.	0.9

¹ Top 10 Holdings represented 10.0% of the Trust's total investments as of 12/31/10.

Top Five Industries²

By total investments

Health Care	11.1%
Cable and Satellite Television	7.8
Business Equipment and Services	7.3
Leisure Goods/Activities/Movies	5.0
Telecommunications	4.4

² Industries are shown as a percentage of the Trust's total investments as of 12/31/10.

Credit Quality Ratings for Total Loan Investments³

By total loan investments

Baa	2.8%
Ba	48.5
B	34.7
Caa	2.7
Ca	0.2
Defaulted	0.1
Non-Rated	11.0

³ Ratings are based on Moody's, S&P or Fitch, as applicable. Credit ratings are based largely on the rating agency's investment analysis at the time of rating and the rating assigned to any particular security is not necessarily a reflection of the issuer's current financial condition. The rating assigned to a security by a rating agency does not necessarily reflect its assessment of the volatility of a security's market value or of the liquidity of an investment in the security. If securities are rated differently by the rating agencies, the higher rating is applied.

Trust Performance⁴

NYSE Symbol	EVF
Average Annual Total Return (by market price, NYSE)	
Six Months	11.39%
One Year	21.48
Five Years	6.31
10 Years	5.74
Life of Trust (10/30/98)	4.79

Average Annual Total Return (at net asset value)

Six Months	9.30%
One Year	15.29
Five Years	3.73
10 Years	4.77
Life of Trust (10/30/98)	4.73

⁴ Six-month returns are cumulative. Other returns are presented on an average annual basis. Performance results reflect the effects of APS and debt financing, which are forms of leverage. Absent a fee reduction by the investment adviser of the Trust, the returns would be lower.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value or market price (as applicable) with all distributions reinvested. The Trust's performance at market price will differ from its results at NAV. Although market price performance generally reflects investment results over time, during shorter periods, returns at market price can also be affected by factors such as changing perceptions about the Trust, market conditions, fluctuations in supply and demand for the Trust's shares, or changes in Trust distributions. Investment return and principal value will fluctuate so that shares, when sold, may be worth more or less than their original cost. Performance is for the stated time period only; due to market volatility, the Trust'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 Income Trust as of December 31, 2010

PORTFOLIO OF INVESTMENTS (Unaudited)

Senior Floating-Rate Interests 137.6%**Principal
Amount***

(000 s omitted)	Borrower/Tranche Description	Value
Aerospace and Defense 3.7%		
Aveos Fleet Performance, Inc.		
17	Revolving Loan, 1.00%, Maturing March 12, 2013 ⁽²⁾	\$ 16,417
25	Term Loan, 11.25%, Maturing March 12, 2013	24,626
68	Term Loan - Second Lien, 10.75%, Maturing March 12, 2015 ⁽³⁾	63,671
Booz Allen Hamilton, Inc.		
248	Term Loan, 6.00%, Maturing July 31, 2015	248,645
DAE Aviation Holdings, Inc.		
706	Term Loan, 4.04%, Maturing July 31, 2014	698,629
731	Term Loan, 4.04%, Maturing July 31, 2014	723,346
Doncasters (Dunde HoldCo 4 Ltd.)		
207	Term Loan, 4.26%, Maturing July 13, 2015	188,649
207	Term Loan, 4.76%, Maturing July 13, 2015	188,649
EUR	417 Term Loan - Second Lien, 6.85%, Maturing January 13, 2016	454,561
DynCorp International, LLC		
449	Term Loan, 6.25%, Maturing July 5, 2016	452,803
Evergreen International Aviation		
395	Term Loan, 10.50%, Maturing October 31, 2011 ⁽³⁾	392,367
Hawker Beechcraft Acquisition		
1,490	Term Loan, 2.27%, Maturing March 26, 2014	1,308,370
89	Term Loan, 2.29%, Maturing March 26, 2014	78,424

IAP Worldwide Services, Inc.

443 Term Loan, 8.25%, Maturing
December 30, 2012 441,898

International Lease Finance Co.

1,000 Term Loan, 6.75%, Maturing March 17,
2015 1,018,750

Spirit AeroSystems, Inc.

607 Term Loan, 3.54%, Maturing
September 30, 2016 609,659

TransDigm, Inc.

1,100 Term Loan, 5.00%, Maturing
December 6, 2016 1,112,719

Triumph Group, Inc.

274 Term Loan, 4.50%, Maturing June 16,
2016 276,164

Wesco Aircraft Hardware Corp.

863 Term Loan, 2.52%, Maturing
September 30, 2013 863,276

Wyle Laboratories, Inc.

424 Term Loan, 7.75%, Maturing March 25,
2016 425,526

\$ 9,587,149

Air Transport 0.2%

Delta Air Lines, Inc.

479 Term Loan - Second Lien, 3.54%,
Maturing
April 30, 2014 \$ 465,555

\$ 465,555

Automotive 5.6%

Adesa, Inc.

1,802 Term Loan, 3.02%, Maturing
October 18, 2013 \$ 1,794,454

Allison Transmission, Inc.

2,487 Term Loan, 3.03%, Maturing August 7,
2014 2,434,961

Autotrader.com, Inc.

550 Term Loan, Maturing December 11,
2016⁽⁴⁾ 553,953

Federal-Mogul Corp.

2,232	Term Loan, 2.21%, Maturing December 29, 2014	2,087,360
583	Term Loan, 2.20%, Maturing December 28, 2015	545,639

Ford Motor Co.

913	Term Loan, 3.02%, Maturing December 16, 2013	908,957
1,085	Term Loan, 3.03%, Maturing December 16, 2013	1,081,880

Goodyear Tire & Rubber Co.

2,300	Term Loan - Second Lien, 1.96%, Maturing April 30, 2014	2,245,375
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Keystone Automotive Operations, Inc.

442	Term Loan, 3.76%, Maturing January 12, 2012	403,746
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LKQ Corp. U.S.

477	Term Loan, 2.51%, Maturing October 12, 2013	478,335
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Metaldyne, LLC

449	Term Loan, 7.75%, Maturing October 28, 2016	456,730
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TriMas Corp.

42	Term Loan, 6.00%, Maturing August 2, 2011	42,504
525	Term Loan, 6.00%, Maturing December 15, 2015	529,067

United Components, Inc.

549	Term Loan, 6.25%, Maturing March 23, 2017	554,386
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Viking Acquisition

450	Term Loan, 6.00%, Maturing November 5, 2016	451,688
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\$ 14,569,035

Beverage and Tobacco 0.3%

Green Mountain Coffee Roasters

550	Term Loan, 5.50%, Maturing December 16, 2016	\$ 551,948
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Maine Beverage Co., LLC

152	Term Loan, 2.04%, Maturing March 31, 2013	146,094
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\$ 698,042

Building and Development 1.3%

Armstrong World Industries, Inc.

325	Term Loan, 5.00%, Maturing May 23, 2017	\$ 328,047
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Beacon Sales Acquisition, Inc.

344	Term Loan, 2.28%, Maturing September 30, 2013	327,885
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Brickman Group Holdings, Inc.

575	Term Loan, 7.25%, Maturing October 14, 2016	583,146
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Building Materials Corp. of America

527	Term Loan, 3.06%, Maturing February 24, 2014	527,342
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See notes to financial statements

Eaton Vance Senior Income Trust as of December 31, 2010

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

Principal Amount*	Borrower/Tranche Description	Value
(000 s omitted)		
Building and Development (continued)		
November 2005 Land Investors, LLC		
152	Term Loan, 0.00%, Maturing March 31, 2011 ⁽⁵⁾⁽⁶⁾	\$ 32,008
Panolam Industries Holdings, Inc.		
500	Term Loan, 8.25%, Maturing December 31, 2013	460,744
RE/MAX International, Inc.		
943	Term Loan, 5.50%, Maturing April 15, 2016	948,768
South Edge, LLC		
422	Term Loan, 0.00%, Maturing October 31, 2009 ⁽⁷⁾	150,820
		\$ 3,358,760
Business Equipment and Services 10.7%		
Activant Solutions, Inc.		
109	Term Loan, 2.31%, Maturing May 2, 2013	\$ 107,893
654	Term Loan, 4.81%, Maturing February 2, 2016	655,304
Axiom Corp.		
590	Term Loan, 3.29%, Maturing March 15, 2015	596,307
Advantage Sales & Marketing, Inc.		
925	Term Loan, 5.25%, Maturing December 18, 2017	928,816
Affinion Group, Inc.		
1,836	Term Loan, 5.00%, Maturing October 10, 2016	1,830,673

Allied Barton Security Services		
483	Term Loan, 7.75%, Maturing February 18, 2015	487,268
Dealer Computer Services, Inc.		
821	Term Loan, 5.25%, Maturing April 21, 2017	827,608
Education Management, LLC		
1,971	Term Loan, 2.06%, Maturing June 3, 2013	1,926,768
Fifth Third Processing Solution		
450	Term Loan, 5.50%, Maturing November 3, 2016	454,275
First American Corp.		
448	Term Loan, 4.75%, Maturing April 12, 2016	452,507
Infogroup, Inc.		
348	Term Loan, 6.25%, Maturing July 1, 2016	351,878
iPayment, Inc.		
408	Term Loan, 2.29%, Maturing May 10, 2013	396,134
Kronos, Inc.		
551	Term Loan, 2.05%, Maturing June 11, 2014	540,669
Language Line, LLC		
1,100	Term Loan, 6.25%, Maturing July 3, 2016	1,111,000
Mitchell International, Inc.		
500	Term Loan - Second Lien, 5.56%, Maturing March 30, 2015	440,937
NE Customer Service		
825	Term Loan, 6.00%, Maturing March 23, 2016	821,649
Protection One Alarm Monitor, Inc.		
815	Term Loan, 6.00%, Maturing May 16, 2016	818,294
Quantum Corp.		
90	Term Loan, 3.80%, Maturing July 14, 2014	89,874
Quintiles Transnational Corp.		
900	Term Loan - Second Lien, 4.31%, Maturing March 31, 2014	895,500
Sabre, Inc.		
2,617	Term Loan, 2.27%, Maturing September 30, 2014	2,444,303
Serena Software, Inc.		
715	Term Loan, 2.30%, Maturing March 10, 2013	698,640
Sitel (Client Logic)		
303	Term Loan, 5.79%, Maturing January 30, 2014	289,467

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EUR	586	Term Loan, 6.30%, Maturing January 30, 2014	747,274
Softlayer Tech, Inc.			
	325	Term Loan, 7.75%, Maturing November 5, 2016	326,727
Solera Holdings, LLC			
EUR	410	Term Loan, 2.81%, Maturing May 16, 2014	541,032
SunGard Data Systems, Inc.			
	2,530	Term Loan, 2.01%, Maturing February 28, 2014	2,471,515
	1,860	Term Loan, 3.91%, Maturing February 26, 2016	1,849,095
Trans Union, LLC			
	945	Term Loan, 6.75%, Maturing June 15, 2017	960,138
Travelport, LLC			
	299	Term Loan, 4.80%, Maturing August 21, 2015	283,655
	1,569	Term Loan, 4.96%, Maturing August 21, 2015	1,490,064
EUR	527	Term Loan, 5.24%, Maturing August 21, 2015	681,490
West Corp.			
	149	Term Loan, 2.72%, Maturing October 24, 2013	147,613
	1,038	Term Loan, 4.57%, Maturing July 15, 2016	1,042,156
	365	Term Loan, 4.59%, Maturing July 15, 2016	365,954
			\$ 28,072,477

Cable and Satellite Television 11.7%

Atlantic Broadband Finance, LLC

724 Term Loan, 5.00%, Maturing November 27, 2015 \$ 729,682

Bragg Communications, Inc.

1,161 Term Loan, 2.79%, Maturing August 31, 2014 1,139,231

Bresnan Communications, LLC

625 Term Loan, 4.50%, Maturing December 14, 2017 629,687

Casema NV

EUR 1,000 Term Loan - Second Lien, 5.55%, Maturing March 14, 2016 1,341,788

Charter Communications Operating, LLC

3,796	Term Loan, 2.27%, Maturing March 6, 2014	3,754,860
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CSC Holdings, Inc.

1,965	Term Loan, 2.01%, Maturing March 29, 2016	1,968,037
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Foxco Acquisition Sub., LLC

302	Term Loan, 7.50%, Maturing July 14, 2015	300,545
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Insight Midwest Holdings, LLC

1,784	Term Loan, 2.02%, Maturing April 7, 2014	1,740,610
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See notes to financial statements

Eaton Vance Senior Income Trust as of December 31, 2010

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

Principal Amount*		Borrower/Tranche Description	Value
(000 s omitted)			
Cable and Satellite Television (continued)			
Kabel Deutschland GmbH			
EUR	1,957	Term Loan, 3.05%, Maturing March 31, 2014	\$ 2,604,152
MCC Iowa, LLC			
	802	Term Loan, 2.01%, Maturing January 31, 2015	770,706
Mediacom Broadband, LLC			
	746	Term Loan, 4.50%, Maturing October 23, 2017	737,233
Mediacom Illinois, LLC			
	1,896	Term Loan, 2.01%, Maturing January 31, 2015	1,812,458
	988	Term Loan, 5.50%, Maturing March 31, 2017	981,939
Mediacom, LLC			
	398	Term Loan, 4.50%, Maturing October 23, 2017	390,538
ProSiebenSat.1 Media AG			
EUR	578	Term Loan, 3.52%, Maturing March 6, 2015	669,012
EUR	273	Term Loan, 2.91%, Maturing June 26, 2015	348,600
EUR	11	Term Loan, 2.91%, Maturing July 3, 2015	14,147
EUR	578	Term Loan, 3.77%, Maturing March 4, 2016	669,012
EUR	201	Term Loan, 8.14%, Maturing March 6, 2017 ⁽³⁾	224,973
EUR	271	Term Loan - Second Lien, 4.89%, Maturing September 2, 2016	302,923
UPC Broadband Holding B.V.			
	1,563	Term Loan, 4.25%, Maturing December 30, 2016	1,550,628
EUR	726	Term Loan, 4.56%, Maturing December 31, 2016	925,350

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	1,037	Term Loan, 4.25%, Maturing December 29, 2017	1,023,485
EUR	524	Term Loan, 4.81%, Maturing December 31, 2017	667,771
Virgin Media Investment Holding			
GBP	1,000	Term Loan, 4.28%, Maturing June 30, 2015	1,559,099
GBP	1,250	Term Loan, 4.78%, Maturing December 31, 2015	1,952,528
YPSO Holding SA			
EUR	1	Term Loan, 4.66%, Maturing June 13, 2014	559
EUR	22	Term Loan, 4.66%, Maturing June 16, 2014 ⁽³⁾	23,949
EUR	26	Term Loan, 4.66%, Maturing June 16, 2014 ⁽³⁾	28,002
EUR	1,554	Term Loan, 4.66%, Maturing June 16, 2014 ⁽³⁾	1,663,470
EUR	35	Term Loan, 4.66%, Maturing December 31, 2015	36,862
EUR	65	Term Loan, 5.16%, Maturing December 31, 2015	69,234
			\$ 30,631,070

Chemicals and Plastics 6.0%

Arizona Chemical, Inc.

272	Term Loan, 6.75%, Maturing November 21, 2016	\$ 275,645
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Brenntag Holding GmbH and Co. KG

786	Term Loan, 3.77%, Maturing January 20, 2014	787,421
116	Term Loan, 3.79%, Maturing January 20, 2014	116,067
600	Term Loan - Second Lien, 6.45%, Maturing July 17, 2015	604,250

Celanese Holdings, LLC

851	Term Loan, 3.29%, Maturing October 31, 2016	856,859
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Gentek

299	Term Loan, 6.75%, Maturing October 6, 2015	302,243
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Hexion Specialty Chemicals, Inc.

327	Term Loan, 4.06%, Maturing May 5, 2015	323,855
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	483	Term Loan, 4.06%, Maturing May 5, 2015	476,469
	737	Term Loan, 4.06%, Maturing May 5, 2015	729,453
Huntsman International, LLC			
	854	Term Loan, 1.78%, Maturing April 21, 2014	837,427
	855	Term Loan, 2.52%, Maturing June 30, 2016	847,097
INEOS Group			
	1,175	Term Loan, 7.50%, Maturing December 16, 2013	1,215,139
	1,176	Term Loan, 8.00%, Maturing December 16, 2014	1,216,070
EUR	1,000	Term Loan, 9.00%, Maturing December 16, 2015	1,372,571
ISP Chemco, Inc.			
	857	Term Loan, 1.81%, Maturing June 4, 2014	842,122
Kraton Polymers, LLC			
	832	Term Loan, 2.31%, Maturing May 13, 2013	818,786
MacDermid, Inc.			
EUR	342	Term Loan, 2.97%, Maturing April 11, 2014	424,839
Millenium Inorganic Chemicals			
	1,174	Term Loan, 2.55%, Maturing May 15, 2014	1,162,413
Nalco Co.			
	698	Term Loan, 4.50%, Maturing October 5, 2017	705,407
Rockwood Specialties Group, Inc.			
	1,018	Term Loan, 6.00%, Maturing May 15, 2014	1,025,510
Styron S.A.R.L.			
	756	Term Loan, 7.50%, Maturing June 17, 2016	768,140
			\$ 15,707,783
Clothing/Textiles	0.2%		
Phillips-Van Heusen Corp.			
	477	Term Loan, 4.75%, Maturing May 6, 2016	\$ 484,174

\$ 484,174

Conglomerates 4.2%

Goodman Global Holdings, Inc.

898	Term Loan, 5.75%, Maturing October 28, 2016	\$ 903,842
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Jarden Corp.

977	Term Loan, 3.55%, Maturing January 26, 2015	984,602
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Manitowoc Company, Inc. (The)

466	Term Loan, 8.00%, Maturing November 6, 2014	471,382
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Polymer Group, Inc.

2,024	Term Loan, 7.00%, Maturing November 24, 2014	2,024,283
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RBS Global, Inc.

720	Term Loan, 2.56%, Maturing July 19, 2013	704,100
1,683	Term Loan, 2.81%, Maturing July 19, 2013	1,660,994

See notes to financial statements

Eaton Vance Senior Income Trust as of December 31, 2010

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

Principal Amount*	Borrower/Tranche Description	Value
(000 s omitted)		
Conglomerates (continued)		
RGIS Holdings, LLC		
1,953	Term Loan, 2.78%, Maturing April 30, 2014	\$ 1,826,017
98	Term Loan, 2.80%, Maturing April 30, 2014	91,301
Service Master Co.		
45	Term Loan, 2.77%, Maturing July 24, 2014	43,404
454	Term Loan, 2.77%, Maturing July 24, 2014	435,854
US Investigations Services, Inc.		
987	Term Loan, 3.05%, Maturing February 21, 2015	947,724
398	Term Loan, 7.75%, Maturing February 21, 2015	399,990
Vertrue, Inc.		
489	Term Loan, 3.31%, Maturing August 16, 2014	419,473
		\$ 10,912,966
Containers and Glass Products 3.6%		
Berry Plastics Corp.		
963	Term Loan, 2.28%, Maturing April 3, 2015	\$ 910,405
BWAY Corp.		
387	Term Loan, 5.52%, Maturing June 16, 2017	389,528
36	Term Loan, 5.56%, Maturing June 16, 2017	36,518

Graham Packaging Holdings Co.

570	Term Loan, 6.75%, Maturing April 5, 2014	576,377
973	Term Loan, 6.00%, Maturing September 23, 2016	985,125

Graphic Packaging International, Inc.

348	Term Loan, 2.29%, Maturing May 16, 2014	343,850
1,250	Term Loan, 3.04%, Maturing May 16, 2014	1,246,170

Hilex Poly Co.

500	Term Loan, 11.25%, Maturing November 16, 2015	492,500
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JSG Acquisitions

638	Term Loan, 3.66%, Maturing December 31, 2014	633,694
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Pelican Products, Inc.

400	Term Loan, 5.75%, Maturing November 30, 2016	402,625
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Reynolds Group Holdings, Inc.

444	Term Loan, 6.25%, Maturing May 5, 2016	448,541
600	Term Loan, 6.50%, Maturing May 5, 2016	606,665
466	Term Loan, 6.75%, Maturing May 5, 2016	470,987

Smurfit Kappa Acquisitions

638	Term Loan, 3.41%, Maturing December 31, 2014	633,694
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Smurfit-Stone Container Corp.

1,169	Term Loan, 6.75%, Maturing July 15, 2016	1,190,461
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\$ 9,367,140

Cosmetics/Toiletries 1.8%

Alliance Boots Holdings, Ltd.

GBP	1,775	Term Loan, 3.57%, Maturing July 5, 2015	\$ 2,576,154
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Bausch & Lomb, Inc.

194	Term Loan, 3.51%, Maturing April 24, 2015	193,963
800	Term Loan, 3.54%, Maturing April 24, 2015	797,978

KIK Custom Products, Inc.

525		361,375
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Term Loan - Second Lien, 5.30%,
 Maturing November 30, 2014

Prestige Brands, Inc.

859	Term Loan, 4.75%, Maturing March 24, 2016	868,011
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\$ 4,797,481

Drugs 0.6%

Graceway Pharmaceuticals, LLC

306	Term Loan, 5.01%, Maturing May 3, 2012	\$ 136,145
162	Term Loan, 10.01%, Maturing November 3, 2013 ⁽³⁾⁽⁵⁾	2,841
500	Term Loan - Second Lien, 0.00%, Maturing May 3, 2013 ⁽⁶⁾	46,667

Pharmaceutical Holdings Corp.

65	Term Loan, 4.52%, Maturing January 30, 2012	64,011
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Warner Chilcott Corp.

321	Term Loan, 6.00%, Maturing October 30, 2014
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