

Eaton Vance Enhanced Equity Income Fund  
Form N-Q  
March 01, 2005

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

**FORM N-Q**

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED  
MANAGEMENT INVESTMENT COMPANY**

Investment Company Act file number 811-21614  
Eaton Vance Enhanced Equity Income Fund  
(Exact name of registrant as specified in charter)  
The Eaton Vance Building, 255 State Street, Boston, Massachusetts 02109  
(Address of principal executive offices) (Zip code)  
Alan R. Dynner, Esq.

Eaton Vance Management, 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: September 30

Date of reporting period: December 31, 2004

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**Item 1. Schedule of Investments**

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Enhanced Equity Income Fund  
PORTFOLIO OF INVESTMENTS (Unaudited)

as of December 31, 2004

Common Stocks 102.6%

Security	Shares	Value
<b>Advertising 1.4%</b>		
Getty Images, Inc. (1)	86,700	\$ 5,969,295
Lamar Advertising Co. (1)	125,000	5,347,500
		<b>\$ 11,316,795</b>
<b>Aerospace &amp; Defense 2.3%</b>		
General Dynamics Corp.	83,800	8,765,480
Northrop Grumman Corp.	167,800	9,121,608
		<b>\$ 17,887,088</b>
<b>Apparel 2.4%</b>		
Jones Apparel Group, Inc.	145,100	5,306,307
Nike, Inc., Class B	150,500	13,648,845
		<b>\$ 18,955,152</b>
<b>Auto and Parts 1.0%</b>		
BorgWarner, Inc.	147,700	8,000,909
		<b>\$ 8,000,909</b>
<b>Beverages 2.3%</b>		
Anheuser-Busch Cos., Inc.	133,600	6,777,528
PepsiCo, Inc.	212,500	11,092,500
		<b>\$ 17,870,028</b>
<b>Biotechnology 3.9%</b>		
Amgen, Inc. (1)	123,700	7,935,355
Biogen Idec, Inc. (1)	119,800	7,979,878
Genzyme Corp. (1)	132,600	7,700,082
Medimmune, Inc. (1)	252,800	6,853,408
		<b>\$ 30,468,723</b>
<b>Commercial Banks 7.4%</b>		
Bank of America Corp.	242,400	11,390,376
Bank of New York Co., Inc. (The)	320,000	10,694,400
North Fork Bancorporation, Inc.	356,850	10,295,123
Sovereign Bancorporation, Inc.	311,600	7,026,580
Synovus Financial Corp.	263,000	7,516,540
Wells Fargo & Co.	175,400	10,901,110
		<b>\$ 57,824,129</b>

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<b>Communications Equipment 4.3%</b>		
Avaya, Inc. (1)	870,000	\$ 14,964,000
Cisco Systems, Inc. (1)	371,100	7,162,230
Corning, Inc. (1)	948,100	11,159,137
		\$ <b>33,285,367</b>
<b>Computer Software 5.3%</b>		
Microsoft Corp.	369,000	9,855,990
Oracle Corp. (1)	527,200	7,233,184
SAP AG ADR	291,100	12,869,531
VERITAS Software Corp. (1)	395,200	11,282,960
		\$ <b>41,241,665</b>
<b>Computers &amp; Peripherals 1.2%</b>		
International Business Machines Corp.	95,600	9,424,248
		\$ <b>9,424,248</b>
<b>Diversified Telecommunication Services 1.0%</b>		
Sprint Corp.	329,300	8,183,105
		\$ <b>8,183,105</b>
<b>Electrical Equipment 1.8%</b>		
Emerson Electric Co.	201,900	14,153,190
		\$ <b>14,153,190</b>
<b>Electronic Equipment &amp; Instruments 5.1%</b>		
Agilent Technologies, Inc. (1)	276,200	6,656,420
Fisher Scientific International (1)	90,100	5,620,438
Flextronics International Ltd. (1) (2)	882,300	12,193,386
Jabil Circuit, Inc. (1)	287,100	7,344,018
L-3 Communications Holdings, Inc.	104,400	7,646,256
		\$ <b>39,460,518</b>
<b>Entertainment 1.5%</b>		
Carnival Corp.	204,100	11,762,283
		\$ <b>11,762,283</b>
<b>Financial Services 8.5%</b>		
Accenture Ltd., Class A (1) (2)	430,300	11,618,100
American Express Co.	198,800	11,206,356
Citigroup, Inc.	237,600	11,447,568
E*Trade Financial Corp. (1)	557,800	8,339,110
Goldman Sachs Group, Inc.	125,100	13,015,404

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Paychex, Inc.	319,800	\$	10,898,784
		\$	<b>66,525,322</b>
<b>Health Services 3.0%</b>			
Caremark Rx, Inc. (1)	230,700		9,096,501
Medco Health Solutions, Inc. (1)	204,700		8,515,520
Quest Diagnostics, Inc.	57,800		5,522,790
		\$	<b>23,134,811</b>
<b>Industrial Conglomerates 1.3%</b>			
Tyco International Ltd. (2)	285,300		10,196,622
		\$	<b>10,196,622</b>
<b>Insurance 6.2%</b>			
Aetna, Inc.	57,500		7,173,125
Aflac, Inc.	226,000		9,003,840
Coventry Health Care, Inc. (1)	126,400		6,709,312
Fidelity National Financial, Inc.	185,800		8,485,486
MGIC Investment Corp.	108,000		7,442,280
WellPoint, Inc. (1)	86,300		9,924,500
		\$	<b>48,738,543</b>
<b>Internet Services 0.8%</b>			
Symantec Corp. (1)	227,800		5,868,128
		\$	<b>5,868,128</b>
<b>Machinery 1.4%</b>			
Deere & Co.	144,900		10,780,560
		\$	<b>10,780,560</b>
<b>Media 3.6%</b>			
Time Warner, Inc. (1)	418,500		8,135,640
Univision Communications, Inc., Class A (1)	411,100		12,032,897
Walt Disney Co. (The)	273,100		7,592,180
		\$	<b>27,760,717</b>
<b>Medical Products 2.2%</b>			
Baxter International, Inc.	177,000		6,113,580
Boston Scientific Corp. (1)	302,700		10,760,985
		\$	<b>16,874,565</b>
<b>Metals - Industrial 2.4%</b>			
Alcoa, Inc.	315,200		9,903,584
Inco, Ltd. (1) (2)	239,900		8,823,522
		\$	<b>18,727,106</b>

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<b>Mining 0.8%</b>		
Newmont Mining Corp.	142,100	\$ 6,310,661
		<b>\$ 6,310,661</b>
<b>Oil and Gas 4.1%</b>		
BP PLC ADR	175,900	10,272,560
ConocoPhillips	78,600	6,824,838
GlobalSantaFe Corp.	256,600	8,496,026
Marathon Oil Corp.	172,700	6,495,247
		<b>\$ 32,088,671</b>
<b>Oil and Gas - Equipment and Services 2.1%</b>		
Halliburton Co.	215,100	8,440,524
Williams Co., Inc. (The)	472,200	7,692,138
		<b>\$ 16,132,662</b>
<b>Oil and Gas - Exploration and Production 1.3%</b>		
Chesapeake Energy Corp.	301,500	4,974,750
Noble Energy, Inc.	82,900	5,111,614
		<b>\$ 10,086,364</b>
<b>Personal Products 3.8%</b>		
Colgate-Palmolive Co.	148,100	7,576,795
Estee Lauder Cos., Inc. (The), Class A	238,400	10,911,568
Gillette Co. (The)	255,700	11,450,246
		<b>\$ 29,938,609</b>
<b>Pharmaceuticals 7.9%</b>		
Allergan, Inc.	71,600	5,804,612
IVAX Corp. (1)	523,000	8,273,860
Pfizer, Inc.	429,100	11,538,499
Sepracor, Inc. (1)	189,700	11,262,489
Watson Pharmaceuticals, Inc. (1)	325,700	10,686,217
Wyeth Corp.	321,300	13,684,167
		<b>\$ 61,249,844</b>
<b>Retail - Food and Drug 3.3%</b>		
CVS Corp.	155,500	7,008,385
Walgreen Co.	338,700	12,995,919
Whole Foods Market, Inc.	61,500	5,864,025
		<b>\$ 25,868,329</b>

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<b>Retail - General</b>	<b>0.9%</b>		
Target Corp.	140,200	\$	7,280,586
		\$	<b>7,280,586</b>

<b>Retail - Specialty and Apparel</b>	<b>3.5%</b>		
Bed Bath and Beyond, Inc. (1)	257,500		10,256,225
Home Depot, Inc. (The)	171,200		7,317,088
Polo Ralph Lauren Corp.	233,200		9,934,320
		\$	<b>27,507,633</b>

<b>Semiconductors &amp; Semiconductor Equipment</b>	<b>3.6%</b>		
Broadcom Corp., Class A (1)	258,400		8,341,152
Linear Technology Corp.	136,100		5,275,236
Maxim Integrated Products, Inc.	115,500		4,896,045
Microchip Technology, Inc.	354,200		9,442,972
		\$	<b>27,955,405</b>

<b>Transportation</b>	<b>1.0%</b>		
Swift Transportation Co., Inc. (1)	359,200		7,715,616
		\$	<b>7,715,616</b>

<b>Total Common Stocks</b>			
<b>(identified cost \$742,882,014)</b>		\$	<b>800,573,954</b>

**Commercial Paper** 0.7%

	<b>Principal Amount</b>		<b>Value</b>
	<b>(000 s omitted)</b>		
<b>Security</b>			
Ranger Funding Co., LLC, 2.15%, 1/3/05	5,692	\$	5,691,320

<b>Total Commercial Paper</b>			
<b>(at amortized cost, \$5,691,320)</b>		\$	<b>5,691,320</b>

**Short-Term Investments** 3.2%

	<b>Principal Amount</b>		<b>Value</b>
	<b>(000 s omitted)</b>		
<b>Security</b>			
Investors Bank and Trust Company Time Deposit, 2.25%, 1/3/05	25,000	\$	25,000,000

<b>Total Short-Term Investments</b>			
<b>(at amortized cost, \$25,000,000)</b>		\$	<b>25,000,000</b>

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<b>Total Investments</b>	<b>106.5%</b>		
<b>(identified cost \$773,573,334)</b>		<b>\$</b>	<b>831,265,274</b>
<b>Other Assets, Less Liabilities</b>	<b>(6.5)%</b>	<b>\$</b>	<b>(51,076,838)</b>
<b>Net Assets</b>	<b>100.0%</b>	<b>\$</b>	<b>780,188,436</b>

ADR - American Depository Receipt

- (1) Non-income producing security.
- (2) Foreign security.

**Country Concentration of Portfolio**

<b>Country</b>	<b>Percentage of Total Investments</b>	<b>Value</b>
UNITED STATES	89.6%	\$ 745,033,244
BERMUDA	2.6%	21,814,722
GERMANY	1.6%	12,869,531
SINGAPORE	1.5%	12,193,386
PANAMA	1.4%	11,762,283
UNITED KINGDOM	1.2%	10,272,560
CANADA	1.1%	8,823,522
CAYMAN ISLANDS	1.0%	8,496,026
	100.0%	\$ 831,265,274



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A summary of financial instruments at December 31, 2004 is as follows:

**Summary of options outstanding:**

***WRITTEN OPTIONS***

<b>Type of Contract</b>	<b>Notional Amount</b>	<b>Premium Received</b>	<b>Value</b>
ACCENTURE LTD., CLASS A, EXPIRES 2/19/05, STRIKE 25.00	(196,500)	\$ (201,408)	\$ (491,250)
AETNA, INC., EXPIRES 1/22/05, STRIKE 95.00	(57,500)	(293,433)	(1,707,750)
AFLAC, INC., EXPIRES 2/19/05, STRIKE 35.00	(38,000)	(75,048)	(193,800)
AGILENT TECHNOLOGIES, INC., EXPIRES 2/19/05, STRIKE 25.00	(159,500)	(338,929)	(143,550)
ALCOA, INC., EXPIRES 4/16/05, STRIKE 32.50	(154,500)	(264,319)	(216,300)
ALLERGAN, INC., EXPIRES 1/22/05, STRIKE 70.00	(47,500)	(193,558)	(522,500)
AMERICAN EXPRESS CO., EXPIRES 1/22/05, STRIKE 55.00	(92,000)	(66,698)	(156,400)