

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

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 |
|-------------------------------------|---------|----------------------|
| Advertising 1.4% | | |
| Getty Images, Inc. (1) | 86,700 | \$ 5,969,295 |
| Lamar Advertising Co. (1) | 125,000 | 5,347,500 |
| | | \$ 11,316,795 |
| Aerospace & Defense 2.3% | | |
| General Dynamics Corp. | 83,800 | 8,765,480 |
| Northrop Grumman Corp. | 167,800 | 9,121,608 |
| | | \$ 17,887,088 |
| Apparel 2.4% | | |
| Jones Apparel Group, Inc. | 145,100 | 5,306,307 |
| Nike, Inc., Class B | 150,500 | 13,648,845 |
| | | \$ 18,955,152 |
| Auto and Parts 1.0% | | |
| BorgWarner, Inc. | 147,700 | 8,000,909 |
| | | \$ 8,000,909 |
| Beverages 2.3% | | |
| Anheuser-Busch Cos., Inc. | 133,600 | 6,777,528 |
| PepsiCo, Inc. | 212,500 | 11,092,500 |
| | | \$ 17,870,028 |
| Biotechnology 3.9% | | |
| 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 |
| | | \$ 30,468,723 |
| Commercial Banks 7.4% | | |
| 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 |
| | | \$ 57,824,129 |

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| | | |
|--|---------|----------------------|
| Communications Equipment 4.3% | | |
| 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 |
| | | \$ 33,285,367 |
| Computer Software 5.3% | | |
| 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 |
| | | \$ 41,241,665 |
| Computers & Peripherals 1.2% | | |
| International Business Machines Corp. | 95,600 | 9,424,248 |
| | | \$ 9,424,248 |
| Diversified Telecommunication Services 1.0% | | |
| Sprint Corp. | 329,300 | 8,183,105 |
| | | \$ 8,183,105 |
| Electrical Equipment 1.8% | | |
| Emerson Electric Co. | 201,900 | 14,153,190 |
| | | \$ 14,153,190 |
| Electronic Equipment & Instruments 5.1% | | |
| 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 |
| | | \$ 39,460,518 |
| Entertainment 1.5% | | |
| Carnival Corp. | 204,100 | 11,762,283 |
| | | \$ 11,762,283 |
| Financial Services 8.5% | | |
| 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 |
| | | \$ | 66,525,322 |
| Health Services 3.0% | | | |
| 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 |
| | | \$ | 23,134,811 |
| Industrial Conglomerates 1.3% | | | |
| Tyco International Ltd. (2) | 285,300 | | 10,196,622 |
| | | \$ | 10,196,622 |
| Insurance 6.2% | | | |
| 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 |
| | | \$ | 48,738,543 |
| Internet Services 0.8% | | | |
| Symantec Corp. (1) | 227,800 | | 5,868,128 |
| | | \$ | 5,868,128 |
| Machinery 1.4% | | | |
| Deere & Co. | 144,900 | | 10,780,560 |
| | | \$ | 10,780,560 |
| Media 3.6% | | | |
| 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 |
| | | \$ | 27,760,717 |
| Medical Products 2.2% | | | |
| Baxter International, Inc. | 177,000 | | 6,113,580 |
| Boston Scientific Corp. (1) | 302,700 | | 10,760,985 |
| | | \$ | 16,874,565 |
| Metals - Industrial 2.4% | | | |
| Alcoa, Inc. | 315,200 | | 9,903,584 |
| Inco, Ltd. (1) (2) | 239,900 | | 8,823,522 |
| | | \$ | 18,727,106 |

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| | | |
|--|---------|----------------------|
| Mining 0.8% | | |
| Newmont Mining Corp. | 142,100 | \$ 6,310,661 |
| | | \$ 6,310,661 |
| Oil and Gas 4.1% | | |
| 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 |
| | | \$ 32,088,671 |
| Oil and Gas - Equipment and Services 2.1% | | |
| Halliburton Co. | 215,100 | 8,440,524 |
| Williams Co., Inc. (The) | 472,200 | 7,692,138 |
| | | \$ 16,132,662 |
| Oil and Gas - Exploration and Production 1.3% | | |
| Chesapeake Energy Corp. | 301,500 | 4,974,750 |
| Noble Energy, Inc. | 82,900 | 5,111,614 |
| | | \$ 10,086,364 |
| Personal Products 3.8% | | |
| 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 |
| | | \$ 29,938,609 |
| Pharmaceuticals 7.9% | | |
| 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 |
| | | \$ 61,249,844 |
| Retail - Food and Drug 3.3% | | |
| CVS Corp. | 155,500 | 7,008,385 |
| Walgreen Co. | 338,700 | 12,995,919 |
| Whole Foods Market, Inc. | 61,500 | 5,864,025 |
| | | \$ 25,868,329 |

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| | | |
|------------------------------|---------|---------------------|
| Retail - General 0.9% | | |
| Target Corp. | 140,200 | \$ 7,280,586 |
| | | \$ 7,280,586 |

| | | |
|--|---------|----------------------|
| Retail - Specialty and Apparel 3.5% | | |
| 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 |
| | | \$ 27,507,633 |

| | | |
|--|---------|----------------------|
| Semiconductors & Semiconductor Equipment 3.6% | | |
| 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 |
| | | \$ 27,955,405 |

| | | |
|------------------------------------|---------|---------------------|
| Transportation 1.0% | | |
| Swift Transportation Co., Inc. (1) | 359,200 | 7,715,616 |
| | | \$ 7,715,616 |

| | | |
|--|--|-----------------------|
| Total Common Stocks | | |
| (identified cost \$742,882,014) | | \$ 800,573,954 |

Commercial Paper 0.7%

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

| | | |
|---|--|---------------------|
| Total Commercial Paper | | |
| (at amortized cost, \$5,691,320) | | \$ 5,691,320 |

Short-Term Investments 3.2%

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

| | | |
|--|--|----------------------|
| Total Short-Term Investments | | |
| (at amortized cost, \$25,000,000) | | \$ 25,000,000 |

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

ADR - American Depository Receipt

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

Country Concentration of Portfolio

| Country | Percentage of Total Investments | Value |
|----------------|--|----------------|
| 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

| Type of Contract | Notional Amount | Premium Received | Value |
|---|-----------------|------------------|--------------|
| 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) |
| AMGEN, INC., EXPIRES 1/22/05, STRIKE 55.00 | (71,000) | (211,220) | (660,300) |
| ANHEUSER-BUSCH COS., INC., EXPIRES 1/22/05, STRIKE 50.00 | (51,500) | (63,086) | (51,500) |
| AVAYA, INC., EXPIRES 3/19/05, STRIKE 15.00 | (613,000) | (674,215) | (1,685,750) |
| BANK OF AMERICA CORP., EXPIRES 2/19/05, STRIKE 45.00 | (158,000) | (217,586) | (402,900) |
| BANK OF NEW YORK CO., INC. (THE), EXPIRES 1/22/05, STRIKE 32.50 | (138,000) | (162,146) | (165,600) |
| BAXTER INTERNATIONAL, INC., EXPIRES 2/19/05, STRIKE 32.50 | (111,000) | (78,201) | (288,600) |
| BED BATH AND BEYOND, INC., EXPIRES 2/19/05, STRIKE 40.00 | (141,500) | (371,429) | (155,650) |
| BIOGEN IDEC, INC., EXPIRES 1/22/05, STRIKE 60.00 | (90,500) | (323,530) | (642,550) |
| BORGWARNER, INC., EXPIRES 1/22/05, STRIKE 5.00 | (88,500) | (161,606) | (619,500) |
| BOSTON SCIENTIFIC CORP., EXPIRES 2/19/05, STRIKE 35.00 | (152,500) | (446,967) | (274,500) |
| BOSTON SCIENTIFIC CORP., EXPIRES 5/21/05, STRIKE 35.00 | (45,000) | (147,371) | (132,750) |
| BP PLC ADR, EXPIRES 4/16/05, STRIKE 60.00 | (175,500) | (321,017) | (236,925) |
| BROADCOM CORP., CLASS A, EXPIRES 2/19/05, STRIKE 27.50 | (142,000) | (358,542) | (766,800) |
| CAREMARK RX, INC., EXPIRES 3/19/05, STRIKE 30.00 | (122,500) | (256,533) | (1,188,250) |
| CARNIVAL CORP., EXPIRES 1/22/05, STRIKE 50.00 | (78,000) | (204,745) | (592,800) |
| CARNIVAL CORP., EXPIRES 4/16/05, STRIKE 55.00 | (41,000) | (154,771) | (188,600) |
| CHESAPEAKE ENERGY CORP., EXPIRES 4/16/05, STRIKE 15.00 | (191,500) | (387,529) | (392,575) |
| CISCO SYSTEMS, INC., EXPIRES 4/16/05, STRIKE 20.00 | (176,500) | (238,269) | (167,675) |
| CITIGROUP, INC., EXPIRES 3/19/05, STRIKE 45.00 | (107,000) | (187,246) | (385,200) |
| COLGATE-PALMOLIVE CO., EXPIRES 2/19/05, STRIKE 45.00 | (76,500) | (143,434) | (466,650) |
| CONOCOPHILLIPS, EXPIRES 2/19/05, STRIKE 85.00 | (54,000) | (193,045) | (199,800) |
| CORNING, INC., EXPIRES 5/21/05, STRIKE 12.50 | (656,000) | (642,340) | (472,320) |
| COVENTRY HEALTH CARE, INC., EXPIRES 1/22/05, STRIKE 40.00 | (43,000) | (123,674) | (550,400) |
| CVS CORP., EXPIRES 2/19/05, STRIKE 45.00 | (112,500) | (154,684) | (163,125) |
| DEERE & CO., EXPIRES 3/19/05, STRIKE 60.00 | (60,500) | (222,332) | (895,400) |
| E*TRADE FINANCIAL CORP., EXPIRES 4/16/05, STRIKE 13.00 | (386,000) | (424,899) | (887,800) |
| EMERSON ELECTRIC CO., EXPIRES 3/19/05, STRIKE 65.00 | (113,000) | (272,864) | (655,400) |
| ESTEE LAUDER COS., INC. (THE), CLASS A, EXPIRES 1/22/05, STRIKE 45.00 | (161,500) | (159,154) | (185,725) |
| ESTEE LAUDER COS., INC. (THE), CLASS A, EXPIRES 7/16/05, STRIKE 45.00 | (10,500) | (33,337) | (37,800) |

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| FIDELITY NATIONAL FINANCIAL, INC., EXPIRES 1/22/05, STRIKE 40.00 | (185,500) | (150,511) | \$ (1,057,350) |
| FISHER SCIENTIFIC INTERNATIONAL, EXPIRES 3/19/05, STRIKE 60.00 | (90,000) | (223,321) | (405,000) |
| FLEXTRONICS INTERNATIONAL LTD., EXPIRES 4/16/05, STRIKE 12.50 | (598,000) | (702,633) | (1,225,900) |
| GENERAL DYNAMICS CORP., EXPIRES 2/19/05, STRIKE 105.00 | (56,500) | (161,654) | (149,725) |
| GENZYME CORP., EXPIRES 1/22/05, STRIKE 55.00 | (84,000) | (115,497) | (285,600) |
| GETTY IMAGES, INC., EXPIRES 1/22/05, STRIKE 60.00 | (60,500) | (152,959) | (544,500) |
| GILLETTE CO. (THE), EXPIRES 3/19/05, STRIKE 40.00 | (125,000) | (384,366) | (612,500) |
| GLOBALSANTAFE CORP., EXPIRES 1/22/05, STRIKE 30.00 | (139,000) | (196,470) | (458,700) |
| GOLDMAN SACHS GROUP, INC., EXPIRES 1/22/05, STRIKE 100.00 | (84,500) | (231,563) | (422,500) |
| HALLIBURTON CO., EXPIRES 1/22/05, STRIKE 35.00 | (101,500) | (322,255) | (456,750) |
| HALLIBURTON CO., EXPIRES 1/22/05, STRIKE 37.50 | (18,500) | (36,537) | (37,925) |
| HOME DEPOT, INC. (THE), EXPIRES 2/19/05, STRIKE 42.50 | (119,500) | (152,359) | (161,325) |
| INCO LTD., EXPIRES 1/22/05, STRIKE 35.00 | (111,500) | (273,356) | (250,875) |
| INTERNATIONAL BUSINESS MACHINES CORP., EXPIRES 1/22/05, STRIKE 90.00 | (58,000) | (143,547) | (510,400) |
| IVAX CORP., EXPIRES 3/19/05, STRIKE 17.50 | (238,500) | (431,766) | (166,950) |
| JABIL CIRCUIT, INC., EXPIRES 3/19/05, STRIKE 25.00 | (215,500) | (426,329) | (463,325) |
| JONES APPAREL GROUP, INC., EXPIRES 2/19/05, STRIKE 35.00 | (100,500) | (189,547) | (226,125) |
| L-3 COMMUNICATIONS HOLDINGS, INC., EXPIRES 1/22/05, STRIKE 65.00 | (66,500) | (239,162) | (571,900) |
| LAMAR ADVERTISING CO., EXPIRES 1/22/05, STRIKE 40.00 | (67,500) | (196,555) | (189,000) |
| LINEAR TECHNOLOGY CORP., EXPIRES 2/19/05, STRIKE 37.50 | (62,500) | (176,558) | (143,750) |
| MARATHON OIL CORP., EXPIRES 4/16/05, STRIKE 40.00 | (124,000) | (183,181) | (99,200) |
| MAXIM INTEGRATED PRODUCTS, INC., EXPIRES 2/19/05, STRIKE 45.00 | (76,000) | (216,093) | (68,400) |
| MEDCO HEALTH SOLUTIONS, INC., EXPIRES 1/22/05, STRIKE 35.00 | (204,000) | (288,394) | (1,387,200) |
| MEDIMMUNE, INC., EXPIRES 3/19/05, STRIKE 27.50 | (192,500) | (524,916) | (250,250) |
| MGIC INVESTMENT CORP., EXPIRES 1/22/05, STRIKE 65.00 | (71,500) | (248,457) | (393,250) |
| MICROCHIP TECHNOLOGY, INC., EXPIRES 1/22/05, STRIKE 30.00 | (219,000) | (498,213) | (10,950) |
| MICROSOFT CORP., EXPIRES 4/16/05, STRIKE 27.00 | (73,500) | (104,735) | (66,150) |
| NEWMONT MINING CORP., EXPIRES 3/19/05, STRIKE 47.50 | (115,000) | (443,453) | (149,500) |
| NIKE, INC., CLASS B, EXPIRES 1/22/05, STRIKE 80.00 | (93,500) | (362,304) | (1,056,550) |
| NOBLE ENERGY, INC., EXPIRES 2/19/05, STRIKE 60.00 | (51,000) | (104,547) | (173,400) |
| NORTH FORK BANCORPORATION, INC., EXPIRES 2/19/05, STRIKE 30.00 | (166,500) | (131,643) | (33,300) |
| NORTHROP GRUMMAN CORP., EXPIRES 2/19/05, STRIKE 52.50 | (112,500) | (182,808) | (309,375) |
| ORACLE CORP., EXPIRES 3/19/05, STRIKE 14.00 | (218,000) | (172,216) | (130,800) |
| PAYCHEX, INC., EXPIRES 3/19/05, STRIKE 32.50 | (223,000) | (451,610) | (490,600) |
| PEPSICO, INC., EXPIRES 1/22/05, STRIKE 50.00 | (92,000) | (112,697) | (253,000) |
| PFIZER, INC., EXPIRES 3/19/05, STRIKE 30.00 | (276,500) | (324,880) | (96,775) |
| POLO RALPH LAUREN CORP., EXPIRES 1/22/05, STRIKE 35.00 | (115,000) | (353,690) | (874,000) |
| QUEST DIAGNOSTICS, INC., EXPIRES 2/19/05, STRIKE 85.00 | (37,500) | (194,058) | (397,500) |
| SAP AG ADR, EXPIRES 3/19/05, STRIKE 42.50 | (223,500) | (666,247) | (692,850) |

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|--|-----------|------------------------|------------------------|
| SEPRACOR, INC., EXPIRES 1/22/05, STRIKE 47.50 | (119,500) | (350,139) | \$ (1,386,200) |
| SOVEREIGN BANCORPORATION, INC., EXPIRES 4/16/05, STRIKE 22.50 | (99,500) | (89,961) | (109,450) |
| SPRINT CORP., EXPIRES 2/19/05, STRIKE 20.00 | (204,000) | (327,535) | (979,200) |
| SWIFT TRANSPORTATION CO., INC., EXPIRES 4/16/05, STRIKE 20.00 | (359,000) | (481,369) | (897,500) |
| SYMANTEC CORP., EXPIRES 1/22/05, STRIKE 27.50 | (72,000) | (179,096) | (29,520) |
| SYNOVUS FINANCIAL CORP., EXPIRES 5/21/05, STRIKE 25.00 | (89,500) | (223,879) | (358,000) |
| TARGET CORP., EXPIRES 1/22/05, STRIKE 50.00 | (77,000) | (157,269) | (180,950) |
| TIME WARNER, INC., EXPIRES 1/22/05, STRIKE 16.00 | (206,500) | (201,333) | (702,100) |
| TYCO INTERNATIONAL LTD., EXPIRES 1/22/05, STRIKE 30.00 | (57,700) | (139,919) | (340,430) |
| TYCO INTERNATIONAL LTD., EXPIRES 1/22/05, STRIKE 32.50 | (31,000) | (44,174) | (102,300) |
| UNIVISION COMMUNICATIONS, INC., CLASS A, EXPIRES 3/19/05, STRIKE 30.00 | (203,500) | (551,341) | (305,250) |
| VERITAS SOFTWARE CORP., EXPIRES 2/19/05, STRIKE 22.50 | (395,000) | (681,359) | (2,528,000) |
| WALGREEN CO., EXPIRES 1/22/05, STRIKE 35.00 | (136,000) | (254,994) | (503,200) |
| WALT DISNEY CO. (THE), EXPIRES 7/16/05, STRIKE 27.50 | (273,100) | (498,396) | (546,200) |
| WATSON PHARMACEUTICALS, INC., EXPIRES 2/19/05, STRIKE 30.00 | (195,000) | (204,189) | (624,000) |
| WATSON PHARMACEUTICALS, INC., EXPIRES 5/21/05, STRIKE 35.00 | (93,000) | (115,438) | (139,500) |
| WELLPOINT, INC., EXPIRES 3/19/05, STRIKE 80.00 | (44,500) | (222,864) | (1,570,850) |
| WELLS FARGO & CO., EXPIRES 1/22/05, STRIKE 60.00 | (74,000) | (94,348) | (192,400) |
| WHOLE FOODS MARKET, INC., EXPIRES 2/19/05, STRIKE 80.00 | (61,500) | (355,154) | (965,550) |
| WILLIAMS CO., INC. (THE), EXPIRES 5/21/05, STRIKE 17.50 | (290,500) | (241,674) | (232,400) |
| WYETH CORP., EXPIRES 1/22/05, STRIKE 40.00 | (157,000) | (200,170) | (455,300) |
| TOTAL | | \$ (24,854,853) | \$ (45,365,845) |

Written options

| | Calls Principal Amounts of Contracts (000 s omitted) | Premiums |
|----------------------------------|---|---------------|
| Outstanding, beginning of period | \$ | |
| Options written | 141,211 | 26,138,254 |
| Options closed | (5,320) | (1,223,262) |
| Options exercised | (248) | (60,139) |
| Options expired | | |
| Options sold | | |
| Outstanding, end of period | 135,643 | \$ 24,854,853 |

At December 31, 2004, the Fund had sufficient cash and/or securities to cover commitments under these contracts.

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The cost and unrealized appreciation (depreciation) in value of the investments owned at December 31, 2004 as computed on a federal income tax basis, were as follows:

| | | |
|------------------------------------|-----------|--------------------|
| Aggregate cost | \$ | 773,573,334 |
| Gross unrealized appreciation | \$ | 65,121,254 |
| Gross unrealized depreciation | | (7,429,314) |
| Net unrealized appreciation | \$ | 57,691,940 |

Item 2. 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 on this Form N-Q 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 on this Form N-Q 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 fiscal quarter for which the report is being filed that have materially affected, or are reasonably likely to materially affect the registrant's internal control over financial reporting.

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 Enhanced Equity Income Fund

By: /S/ Duncan Richardson
Duncan Richardson
President and Principal Executive Officer

Date: February 16, 2005

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /S/ Duncan Richardson
Duncan Richardson
President and Principal Executive Officer

Date: February 16, 2005

By: /S/ James L. O Connor
James L. O Connor
Treasurer and Principal Financial Officer

Date: February 16, 2005
