SENIOR HIGH INCOME PORTFOLIO INC

Form N-Q

January 31, 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 811-7456

Name of Fund: Senior High Income Portfolio, Inc.

Fund Address: P.O. Box 9011

Princeton, NJ 08543-9011

Name and address of agent for service: Robert C. Doll, Jr.,
President, Senior High Income Portfolio, Inc., 800 Scudders
Mill Road, Plainsboro, NJ, 08536. Mailing address: P.O. Box
9011, Princeton, NJ, 08543-9011

Registrant's telephone number, including area code: (609) 282-2800

Date of fiscal year end: 02/29/05

Date of reporting period: 09/01/04 - 11/30/04

Item 1 - Schedule of Investments

Senior High Income Portfolio, Inc.

Schedule of Investments as of November 30, 2004

Industry+	Face Amount	Corporate Debt Obligations
Aerospace & Defense - 2.6%	\$ 400,000 1,000,000 2,984,733 4,510,000	<pre>K & F Industries, Inc., 7.75% due 11/15/2014 (b) The Titan Corporation: 8% due 5/15/2011 Term B, due 6/30/2009++ Vought Aircraft Industries, Inc., 8% due 7/15/2011</pre>
Airlines - 0.2%	900,000	Evergreen International Aviation, Inc., 12% due 5/15/201
Automotive - 6.9%	3,184,000 7,550,000 5,000,000 1,800,000 1,095,047 1,350,000	Accuride Corporation, Term B, due 6/30/2007++ Advanced Accessory Systems, 10.75% due 6/15/2011 The Goodyear Tire & Rubber Company, Term, due 3/31/2006+ Metaldyne Corporation, 11% due 6/15/2012 NFIL Holdings Inc., Term B, due 2/27/2010++ Remy International, Inc., 6.07% due 4/15/2009 (d)

Tenneco Automotive Inc.:

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1,875,000
                                            11.625% due 10/15/2009
                             475,000
                                            10.25% due 7/15/2013
                           1,232,069
                                            Tranche B, due 12/12/2010++
                             558,621
                                            Tranche B-1, Credit Link, due 12/12/2010++
                                        Venture Holdings Company LLC (g):
                           3,325,000
                                           9.50% due 7/01/2005
                             700,000
                                            12% due 6/01/2009
                           3,000,000
                                       Granite Broadcasting Corporation, 9.75% due 12/01/2010
Broadcasting - 0.8%
Cable - International -
                                        Kabel Deutschland GmbH, 10.625% due 7/01/2014 (b)
                           4,650,000
                                        NTL Cable PLC (b):
2.3%
                                            6.07% due 10/15/2012 (d)
                           2,350,000
                                            8.75% due 4/15/2014
                             350,000
Cable - U.S. - 13.9%
                           1,800,000
                                        CSC Holdings, Inc., 7.25% due 7/15/2008
                                        Century Cable Holdings, LLC++:
                           3,000,000
                                            Discretionary Term, due 12/31/2009
                           5,000,000
                                            Term, due 6/30/2009
                                        Charter Communications Holdings, LLC:
                           1,750,000
                                           10% due 4/01/2009
                           1,000,000
                                            11.75%* due 1/15/2010
                           2,000,000
                                            11.125% due 1/15/2011
                           1,500,000
                                            9.92% due 4/01/2011
                           1,000,000
                                            10% due 5/15/2011
                           7,980,000
                                        Charter Communications, Term B, due 4/27/2011++
                                        Inmarsat Investments Limited++:
                           2,292,136
                                            Term B, due 10/10/2010
                           2,297,523
                                            Term C, due 10/10/2011
                           3,970,000
                                        Insight Midwest Holdings, LLC, Term B, due 12/31/2009++
                                        Mallard Cablevision LLC & Sun Tel Communications, Term E
                           2,353,993
                                        due 9/30/2008++ (g)
                           3,000,000
                                        Mediacom Broadband LLC, 11% due 7/15/2013
                                        New Skies Satellites BV:
                                            7.438% due 11/01/2011 (b) (d)
                           1,550,000
                             500,000
                                            9.125% due 11/01/2012 (b)
                           1,000,000
                                            Term, due 5/04/2011++
                           4,000,000
                                        Olympus Cable Holdings LLC, Term B, due 9/30/2010++
                                        Rainbow National Services LLC, 8.75% due 9/01/2012 (b)
                           5,250,000
Chemicals - 20.8%
                             875,000
                                        BCP Caylux Holdings Luxembourg SCA, 9.625% due 6/15/2014
                                        CII Carbon LLC, Term, due 6/25/2008++
                           2,648,213
                           2,250,000
                                        Compass Minerals International, Inc., 12%* due 6/01/2013
                                        Crompton Corporation (b):
                           3,000,000
                                            7.67% due 8/01/2010 (d)
                           3,000,000
                                            9.875% due 8/01/2012
                           3,600,000
                                        GEO Specialty Chemicals, Inc., 10.125% due 8/01/2008 (g)
                                        Huntsman International LLC:
                           1,000,000
                                            9.875% due 3/01/2009
                           2,000,000
                                            10.125% due 7/01/2009
                                            Term, due 12/31/2010++
                           2,000,000
                                        ISP Holdings, Inc., 10.625% due 12/15/2009
                           1,750,000
                                        Invista, 9.25% due 5/01/2012 (b)
                           3,000,000
                           2,500,000
                                        Koppers Inc., 9.875% due 10/15/2013
                           2,500,000
                                        KoSa B/INVISTA, Term, due 4/29/2011++
                           1,650,000
                                        Lyondell Chemical Company, 11.125% due 7/15/2012
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1,350,000
                                       Lyondell Chemical Worldwide, Inc., 9.80% due 2/01/2020
                           1,200,000
                                       Millennium America Inc., 7.625% due 11/15/2026
                           5,350,000 Omnova Solutions Inc., 11.25% due 6/01/2010
                           1,498,403 Pinnacle Polymers, Term, due 12/15/2006++
                           2,500,000 Pioneer Companies, Inc., 5.475% due 12/31/2006 (d)
                           3,763,333 Polymer Group, Inc., First Lien Term, due 4/01/2010++
                           6,375,000 PolyOne Corporation, 10.625% due 5/15/2010
                                       Rockwood Specialties Group, Inc.:
                           1,825,000
                                           10.625% due 5/15/2011
                                           7.50% due 11/15/2014 (b)
                            250,000
                           1,600,000
                                          Term B, due 7/30/2012++
                                       Terra Capital, Inc.:
                           2,500,000
                                           12.875% due 10/15/2008
                                           11.50% due 6/01/2010
                            832,000
                                      United Agri Products, Inc., 8.25% due 12/15/2011 (b)
                             400,000
                                       Wellman, Inc., First Lien Term, due 2/04/2009++
                           8,000,000
Consumer Durables - 2.8%
                           6,000,000
                                       Sealy Mattress Company, Term, due 4/06/2013++
                                       Simmons Company:
                             450,000
                                           7.875% due 1/15/2014
                           3,000,000
                                           Term B, due 6/19/2011++
Consumer Non-Durables -
                           4,975,000
                                       American Safety Razor Company, Term B, due 4/01/2011++
4.8%
                           1,675,000 Chattem, Inc., 5.40% due 3/01/2010 (d)
                           1,500,000 Culligan U.S., Term, due 9/30/2011++
                           1,000,000 General Binding Corporation, 9.375% due 6/01/2008
                           1,975,000 Hines Nurseries, Inc., 10.25% due 10/01/2011
                           2,125,000 North Atlantic Trading Company, Inc., 9.25% due 3/01/201
                            200,000 Riddell Bell Holdings, Inc., 8.375% due 10/01/2012 (b)
                           1,488,750 Solo Cup Company, Term, due 2/27/2011++
                           2,000,000 True Temper Sports, Inc., 8.375% due 9/15/2011
                                       Houghton Mifflin Company, 9.875% due 2/01/2013
Diversified Media - 1.7%
                            325,000
                           5,520,000
                                       TransWestern Publishing Company, LLC, Term B, due 2/25/2
Energy - Exploration &
                                       Quest Cherokee, LLC++:
Production - 1.0%
                           1,625,000
                                        Revolving Credit, due 7/25/2009
                                           Revolving Credit, due 7/25/2010
                             222,222
                           1,777,778
                                           Term B, due 7/25/2010
Energy - Other - 4.1%
                                       Dresser, Inc.:
                           1,000,000
                                          9.375% due 4/15/2011
                           1,250,000
                                           Term, due 2/25/2010++
                             718,038
                                           Term B, due 4/10/2009++
                           1,100,000 Dresser-Rand Group Inc., 7.375% due 11/01/2014 (b)
                           1,035,000 Energy Corporation of America, 9.50% due 5/15/2007
                           3,656,000 Giant Industries, Inc., 11% due 5/15/2012
                                       Star Gas Partners, LP:
                           2,750,000
                                           10.25% due 2/15/2013
                           1,750,000
                                           10.25% due 2/15/2013 (b)
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Financial - 2.7%	4,000,000 500,000 1,000,000 3,925,000 1,500,000 1,000,000	Highland Legacy Limited Co., 8.41% due 6/01/2011 (b) (d) Investcorp SA, 7.54% due 10/21/2008 Pennant CBO Limited, 13.43% due 3/14/2011 (b) Refco Finance Holdings LLC, 9% due 8/01/2012 (b) SKM-Libertyview CBO I Limited (b) (g): 8.71% due 4/10/2011 11.91% due 4/10/2011
Food / Tobacco - 4.4%	2,250,000 2,825,000 1,800,000 1,793,219 1,442,000 3,000,000 1,895,000	Commonwealth Brands, Inc. (b): 9.75% due 4/15/2008 10.625% due 9/01/2008 Dole Food Company, Inc., 8.875% due 3/15/2011 Dr Pepper Bottling, Term B, due 12/19/2010++ Gold Kist Inc., 10.25% due 3/15/2014 Merisant Company, 9.50% due 7/15/2013 (b) Pierre Foods, Inc., Term B, due 6/30/2010++
Gaming - 2.1%	2,000,000 925,000 311,000 2,000,000 1,450,000	Jacobs Entertainment, Inc., 11.875% due 2/01/2009 The Majestic Star Casino, LLC, 9.50% due 10/15/2010 Pinnacle Entertainment, Inc., 9.25% due 2/15/2007 (b) Venetian Casino Resort, LLC, 11% due 6/15/2010 Wynn Las Vegas, LLC, 6.625% due 12/01/2014 (b)
Health Care - 4.1%	1,325,000 1,650,000 1,712,820 2,085,227 3,000,000 700,000 3,661,334	Elan Finance PLC (b): 6.51% due 11/15/2011 (d) 7.75% due 11/15/2011 MedPointe Inc., Term B, due 9/30/2008++ Orthofix International NV, Term B, due 12/15/2008++ Tenet Healthcare Corporation, 7.375% due 2/01/2013 VWR International, Inc.: 8% due 4/15/2014 (b) Term B, due 4/07/2011++
Housing - 2.5%	226,860 2,300,000 3,465,000 2,000,000 700,000	Formica Holdings Corporation, 9.25% due 6/10/2011 General Growth Properties, Inc., Term B, due 11/12/2008+ Headwaters Incorporated, Term B, due 4/30/2011++ Lone Star Industries Inc., 8.85% due 6/15/2005 (b) U.S. Concrete, Inc., 8.375% due 4/01/2014
Information Technology - 2.7%	3,100,000 2,450,000 3,826,563	Amkor Technology, Inc., 9.25% due 2/15/2008 Freescale Semiconductor, Inc., 4.82% due 7/15/2009 (d) VUTEk Inc., Term, due 6/25/2010++
Leisure - 3.5%	6,000,000 274,000 956,102 4,709,309	FelCor Lodging LP, 6.874% due 6/01/2011 (d) HMH Properties, Inc., 7.875% due 8/01/2008 Wyndham International, Inc.++: Increasing Rate Term II, due 4/01/2006 Term I, due 6/30/2006

Manufacturing - 7.1%	275,000	Aearo Company, 8.25% due 4/15/2012
Tidifd Laced Laced	3,000,000	Communications & Power Industries, Inc., 8% due 2/01/201
	2,250,000	EaglePicher Incorporated, 9.75% due 9/01/2013
	5,000,000	High Voltage Engineering Corporation, Term A, due 7/31/2
	4,942,893	Invensys International Holdings Ltd., Term, due 8/26/200
		Invensys International Holdings Ltd., Term, due 8/26/200 Invensys PLC, 9.875% due 3/15/2011 (b)
	2,825,000	
	3,500,000	MetoKote Corporation, Term, due 2/13/2011++
	300,000	NMHG Holding Company, 10% due 5/15/2009
	2,000,000	Propex Fabrics Inc., 10% due 12/01/2012 (b)
Metals - Other - 1.8%	500,000	IMCO Recycling Escrow Inc., 9% due 11/15/2014 (b)
	5,500,000	Massey Energy Company, 6.95% due 3/01/2007
Packaging - 7.2%	5,200,000	Anchor Glass Container Corporation, 11% due 2/15/2013
	1,900,000	Consolidated Container Company LLC, 10.75%* due 6/15/200
	2,300,000	Crown Euro Holdings SA, 10.875% due 3/01/2013
	4,002,857	Owens-Illinois Inc., Term C, due 4/01/2008++
	3,300,000	Pliant Corporation, 13% due 6/01/2010
	650,000	Tekni-Plex, Inc., 8.75% due 11/15/2013 (b)
	5,550,000	U.S. Can Corporation, 10.875% due 7/15/2010
	1,250,000	Wise Metals Group LLC, 10.25% due 5/15/2012 (b)
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Paper - 6.7%	3,275,000	Abitibi-Consolidated Inc., 5.99% due 6/15/2011 (d)
raper o	2,975,000	Ainsworth Lumber Co. Ltd., 5.669% due 10/01/2010 (b) (d)
	<u>-, -</u> ,	Boise Cascade LLC:
	250,000	5.005% due 10/15/2012 (b) (d)
	350,000	7.125% due 10/15/2012 (b) (d)
	1,041,096 958 904	Term B, due 10/29/2011++ Term C due 10/29/2010++
	958,904	Term C, due 10/29/2010++
	4,625,000	Bowater Incorporated, 5.49% due 3/15/2010 (d)
	4,325,000	Georgia-Pacific Corporation, 9.375% due 2/01/2013
	625,000	Graphic Packaging International Inc., 9.50% due 8/15/201 SP Newsprint Co.++:
	522,083	Tranche B, due 1/09/2010
	966,667	Tranche B L/C, due 1/09/2010
		·
	800,000	Stone Container Corporation, 8.375% due 7/01/2012
	1,500,000	Tembec Industries, Inc., 8.625% due 6/30/2009
Retail - 0.3%	893 , 250	General Nutrition Center, Inc., Term B, due 12/05/2009++
Services - 6.4%	1,967,902	Allied Waste Industries, Inc., Tranche A - Credit Linked
	•	due 1/15/2010++ Allied Waste North America, Inc.:
	720,000	7.875% due 4/15/2013
	3,125,000	7.375% due 4/15/2013 7.375% due 4/15/2014
		Corrections Corporation of America, 9.875% due 5/01/2009
	1,600,000 250,000	
	250,000	Great Lakes Dredge & Dock Corporation, 7.75% due 12/15/2
	3,000,000	MSW Energy Holdings LLC, 8.50% due 9/01/2010 United Rentals, Inc.++:
	1,658,333	Initial Term, due 2/14/2011
	333,333	Tranche B, Term Link Deposit, due 2/14/2011
	5,450,000	United Rentals (North America), Inc., 7.75% due 11/15/20
	0, 100, 111	Officed Refield (Notes Innotice), Inc.,

	3,980,000	Waste Services, Inc., Term B, due 3/31/2011++
Telecommunications - 6.1%	2,045,000 2,192,667	Cincinnati Bell Inc., 8.375% due 1/15/2014 Consolidated Communications Acquisition of TXU, Inc., T due 10/14/2011++
	5,550,000	FairPoint Communications, Inc., 12.50% due 5/01/2010
	4,000,000	Qwest Communications International Inc., 5.79% due 2/15
	1,000,000	Rural Cellular Corporation, 6.99% due 3/15/2010 (d)
	3,500,000	Time Warner Telecom Holdings, Inc., 6.29% due 2/15/2011
	2,500,000	Time Warner Telecom, Inc., 9.75% due 7/15/2008
	1 205 000	
Transportation - 1.1%	1,325,000 2,197,059	Laidlaw International, Inc., 10.75% due 6/15/2011 North American Van Lines, Inc., Term, due 10/29/2010++
7.00	0.050.000	
Utilities - 7.9%	2,250,000 1,500,000	The AES Corporation, 8.50% due 11/01/2007 Calpine Canada Energy Finance ULC, 8.50% due 5/01/2008 Calpine Corporation:
	1,300,000	8.50% due 2/15/2011
	3,950,000	Term B, due 7/15/2007++
		El Paso Corporation++:
	750 , 000	Term, due 11/23/2009
	1,250,000	Term C, due 11/23/2009
	1,000,000 5,300,000	Mirant Americas Generation LLC, 7.625% due 5/01/2006 (c Mission Energy Holding Company: 13.50% due 7/15/2008
	1,000,000	Term, due 12/11/2006++
	2,000,000	Northwest Pipeline Corporation, 6.625% due 12/01/2007 Sierra Pacific Resources:
	2,100,000	8.75% due 5/15/2005
	2,750,000	8.625% due 3/15/2014
	790,000	TNP Enterprises, Inc., Term, due 12/31/2006++
	725,000	The Williams Companies, Inc., 8.625% due 6/01/2010
Wireless Communications -	1,522,000	American Tower Corporation, 9.375% due 2/01/2009
6.4%	2,977,500	Centennial, Term A, due 2/09/2011++
	5,000,000	Crown Castle International Corp., 7.50% due 12/01/2013
		Dobson Cellular Systems, Inc. (b):
	2,200,000	6.96% due 11/01/2011 (d)
	1,000,000	8.375% due 11/01/2011
	500,000 3,491,250	Horizon PCS, Inc., 11.375% due 7/15/2012 (b) SBA Senior Finance, Inc., Term B, due 10/31/2008++
	3,700,000	SpectraSite, Inc., 8.25% due 5/15/2010
	800,000	US Unwired Inc., 6.13% due 6/15/2010 (d)
		Total Investments in Corporate Debt Obligations
		(Cost - \$463,086,670) - 134.9%
	Shares	
	Held	Common Stocks

Cable - International - 1.4% 323,906	Telewest Global, Inc. (c)
Leisure - 0.1% 41,866	Lodgian, Inc. (c)
Manufacturing - 0.1% 62,580	High Voltage Engineering Corporation (c)
Telecommunications - 0.2% 14,246 17,811	IDT Corporation (c) IDT Corporation (Class B) (c)
	Total Investments in Common Stocks (Cost - \$11,270,563)
	Preferred Stocks
Cable - U.S 0.0% 2,500	Adelphia Communications Corporation (c)
	Total Investments in Preferred Stocks (Cost - \$225,000)
	Warrants (a)
Gaming - 0.0% 27,112	Peninsula Gaming Company, LLC
Paper - 0.0% 3,500	JSG Funding PLC
Wireless Communications - 600 0.0%	American Tower Escrow Corporation
	Total Investments in Warrants (Cost - \$2,208,695) - 0.0%
Beneficial Interest	Other Interests (f)
Automotive - 0.0% \$ 4,130,972	Cambridge Industries, Inc. (Litigation Trust Certificate
Health Care - 0.0% 10,284	MEDIQ Incorporated (Preferred Stock Escrow due 2/01/2006
Health Care - 0.0% 10,284	MEDIQ Incorporated (Preferred Stock Escrow due 4/01/2004
Wireless Communications - 2,750,000 0.00%	WilTel Communications Group, Inc. (Litigation Trust Cert
	Total Investments in Other Interests (Cost - \$0) - 0.0%
	Short-Term Securities
	Short-lerm Securities
\$ 586,921	Merrill Lynch Liquidity Series, LLC Cash Sweep Series I

Total Investments (Cost - \$477,377,849**) - 136.9% Liabilities in Excess of Other Assets - (36.9%)

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Net Assets - 100.0%

- * Represents a zero coupon or step bond; the interest rate shown reflects the effective yield at the time of purchase by the Portfolio.
- ** The cost and unrealized appreciation/depreciation of investments as of November 30, 2004, as computed for federal income tax purposes, were as follows:

Net unrealized depreciation	\$	(1,165,020)
Gross unrealized appreciation Gross unrealized depreciation	\$	23,353,586 (24,518,606)
Aggregate cost	\$ ===	477,110,825

- + For Portfolio compliance purposes, "Industry" means any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Portfolio management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease.
- ++ Floating rate loans in which the Portfolio invests generally pay interest at rates that are periodically predetermined by reference to a base lending rate plus a premium. These base lending rates are generally (i) the lending rate offered by one or more European banks, such as London Interbank Offered Rate ("LIBOR"), (ii) the prime rate offered by one or more major U.S. banks or (iii) the certificate of deposit rate. Corporate loans represent 48.8% of the Portfolio's net assets.
- (a) Warrants entitle the Portfolio to purchase a predetermined number of shares of common stock and are non-income producing. The purchase price and number of shares are subject to adjustment under certain conditions until the expiration date.
- (b) The security may be offered and sold to "qualified institutional buyers" under Rule 144A of the Securities Act of 1933.
- (c) Non-income producing security.
- (d) Floating rate note.
- (e) Investments in companies considered to be an affiliate of the Portfolio (such companies are defined as "Affiliated Companies" in Section 2(a)(3) of the Investment Company Act of 1940) were as follows:

Affiliate	Net Activity	Interest Income
Merrill Lynch Liquidity Series, LLC Cash Sweep Series I	\$ (4,233,025)	\$ 30,310

- (f) Other interests represent beneficial interest in liquidation trusts and other reorganization entities and are non-income producing.
- (g) Non-income producing security; issuer filed for bankruptcy or is in default of interest payments.

Item 2 - Controls and Procedures

2(a) - The registrant's certifying officers have reasonably designed such disclosure controls and procedures to ensure material information relating to the registrant is made known to us by others particularly during the period in which this report is being prepared. The registrant's certifying officers have determined that the registrant's disclosure controls and procedures are effective based on our evaluation of these controls and procedures as of a date within 90 days prior to the filing date of this report.

 $2 \, (b)$ - There were no changes in the registrant's internal control over financial reporting (as defined in Rule $30a-3 \, (d)$ under the Act (17 CFR $270.30a-3 \, (d)$) that occurred during the last fiscal 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 3 - Exhibits

Certifications - Attached hereto

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

Senior High Income Portfolio, Inc.

By: /s/ Robert C. Doll, Jr.____ Robert C. Doll, Jr., President Senior High Income Portfolio, Inc.

Date: January 13, 2005

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

By: /s/ Robert C. Doll, Jr._____ Robert C. Doll, Jr. President Senior High Income Portfolio, Inc.

Date: January 13, 2005

By: /s/ Donald C. Burke_____

Donald C. Burke
Chief Financial Officer
Senior High Income Portfolio, Inc.

Date: January 13, 2005