Schedule of Investments May 31, 2010 (Unaudited)

Common Stocks (a)

BlackRock Senior High Income Fund, Inc. (ARK) (Percentages shown are based on Net Assets)

Value

Shares

Bombardier, Inc., 7.75%, 3/15/20 (b) Kratos Defense & Security Solutions, Inc., 10.00%, 6/01/17 (b)	USD	900		911,250 594,000
Corporate Bonds  Aerospace & Defense 1.2%	Pai (000			
Total Common Stocks 2.5%				5,690,784
Software 0.4% HMH Holdings/EduMedia		153,615		960,092
			-	2,757,167
Paper & Forest Products 1.2% Ainsworth Lumber Co. Ltd. Ainsworth Lumber Co. Ltd. (b)		366,934 421,556		1,283,083 1,474,084
Metals & Mining 0.1% Euramax International		935		186,980
Containers & Packaging 0.1% Smurfit Kappa Plc		18,171		138,826
Construction Materials 0.1% Nortek, Inc.		2,570		115,650
		-,,,,,		54,949
Chemicals 0.0% GEO Specialty Chemicals, Inc. Wellman Holdings, Inc.		142,466 5,131		54,693 256
Capital Markets 0.2% E*Trade Financial Corp.		271,000		401,080
Building Products 0.3%  Masonite Worldwide Holdings		15,842		708,930
Auto Components 0.1% Lear Corp.		5,425	\$	367,110

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TransDigm, Inc., 7.75%, 7/15/14 (b)	1,100	1,100,000
		2,605,250
Airlines 0.5%		
Airlines 0.5% Delta Air Lines, Inc., Series B,		
9.75%, 12/17/16	500	541,250
United Air Lines, Inc., 12.75%,	600	<b>625</b> 500
7/15/12	600	637,500
		1,178,750
Auto Components 3.1%		
The Goodyear Tire & Rubber Co.,		
8.63%, 12/01/11	4,000	4,110,000
	Par	
Corporate Bonds	(000)	Value
Auto Components (concluded)		
Icahn Enterprises LP (b):		
7.75%, 1/15/16	USD 750	\$ 705,000
8.00%, 1/15/18	2,100	1,974,000
Venture Holdings Co. LLC (a)(c): 12.00%, 6/01/09	700	
Series B, 9.50%, 7/01/05	3,325	333
		6,789,333
Biotechnology 0.1%		
QHP Pharma, 10.25%,		
3/15/15 (b)	302	305,716
Building Products 2.9%		
Building Materials Corp. of		
America, 7.00%, 2/15/20 (b)	675	668,250
CPG International I, Inc.: 7.18%, 7/01/12 (d)	3,500	2 447 500
10.50%, 7/01/13	1,500	3,447,500 1,515,000
Ply Gem Industries, Inc., 11.75%,	-,	-,,
6/15/13	725	743,125
		6,373,875
Chemicals 3.5%		
American Pacific Corp., 9.00%,		
2/01/15	610	597,038
CF Industries, Inc., 6.88%,	770	770.060
5/01/18 GEO Specialty Chemicals, Inc.:	770	770,962
7.50%, 3/31/15 (b)(e)(f)	1,869	1,214,605
10.00%, 3/31/15	1,839	1,195,168
Huntsman International LLC, 5.50%, 6/30/16 (b)	495	430,650
LBI Escrow Corp., 8.00%,	473	130,030
11/01/17 (b)	850	864,875
Wellman Holdings, Inc.,		
Subordinate Note (f):		

(Second Lien), 10.00%, 1/29/19 (b) (Third Lien), 5.00%, 1/29/19 (e)	2,383 1,639	2,073,210 639,352
		7,785,860
Commercial Services & Supplies 1.3% ACCO Brands Corp., 10.63%,		
3/15/15	365	395,113
Clean Harbors, Inc., 7.63%, 8/15/16	700	717,500
The Geo Group, Inc., 7.75%, 10/15/17 (b)	450	448,313
RSC Equipment Rental, Inc., 10.00%, 7/15/17 (b)	550	591,937

### **Portfolio Abbreviations**

To simplify the listings of portfolio holdings in the Schedule of Investments, the names and descriptions of many of the securities have been abbreviated according to the following list:

CAD Canadian Dollar FKA Formerly Known As

MSCI Morgan Stanley Capital International

USD US Dollar

BLACKROCK SENIOR HIGH INCOME FUND, INC.

MAY 31, 2010

Corporate Bonds	Par (000)		Value
Commercial Services & Supplies			
(concluded) Scientific Games International,			
Inc., 9.25%, 6/15/19	USD	655	\$ 676,287
			2,829,150
Construction Materials 1.2%			
Nortek, Inc., 11.00%, 12/01/13	2,4	581	2,684,679
Consumer Finance 1.2%			
Credit Acceptance Corp., 9.13%, 2/01/17 (b)	3	300	303,000
Ford Motor Credit Co. LLC, 3.05%, 1/13/12 (d)	1,;	340	1,286,400
Inmarsat Finance Plc, 7.38%, 12/01/17 (b)	1,	150	1,147,125
			2,736,525
Containers & Packaging 2.9%			
Ball Corp., 6.75%, 9/15/20	:	325	316,063
Berry Plastics Corp., 8.25%, 11/15/15	1,	100	1,080,750
Clondalkin Acquisition BV, 2.26%, 12/15/13 (b)(d)	2,0	000	1,887,500
Crown Americas LLC, 7.63%, 5/15/17 (b)	4	400	402,000
Graphic Packaging International, Inc., 9.50%, 6/15/17		555	577,200
Packaging Dynamics Finance Corp., 10.00%, 5/01/16 (b)	1.3	325	1,134,531
Smurfit Kappa Funding Plc, 7.75%, 4/01/15		050	1,022,437
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-,		
			6,420,481
Diversified Financial Services 5.3%		0.45	1.050.610
CIT Group, Inc., 7.00%, 5/01/17 GMAC, Inc., 8.30%, 2/12/15 (b)		845 700	4,372,612
GMAC, Inc., 8.30%, 2/12/15 (b) Highland Legacy Ltd., 6.59%,	4,	700	4,717,625
6/01/11 (b)(d)	4,1	000	1,800,000
Reynolds Group DL Escrow, Inc., 7.75%, 10/15/16 (b)	9	955	945,450
			11,835,687
			11,033,007

Cincinnati Bell, Inc., 8.25%,		
10/15/17	900	848,250
ITC Deltacom, Inc., 10.50%,		
4/01/16 (b)	900	864,000
New Communications Holdings,		
Inc., 8.25%, 4/15/17 (b)	1,460	1,445,400
Nordic Telephone Co. Holdings		
ApS, 8.88%, 5/01/16 (b)	180	184,500
Qwest Corp., 8.38%, 5/01/16	3,000	3,255,000
TW Telecom Holdings, Inc., 8.00%,		
3/01/18 (b)	230	230,575
		6,827,725

Corporate Bonds		'ar 00)	Value
Electric Utilities 0.4%			
NSG Holdings LLC, 7.75%, 12/15/25 (b)	USD	1,000	\$ 895,000
Energy Equipment & Services 0.4%			
Expro Finance Luxembourg SCA,		1 000	070 000
8.50%, 12/15/16 (b)		1,000	970,000
Food & Staples Retailing 0.4%			
Rite Aid Corp., 9.75%, 6/12/16		825	875,531
Food Products 0.9%			 
B&G Foods, Inc., 7.63%, 1/15/18		500	498,750
Bumble Bee Foods LLC, 7.75%, 12/15/15 (b)		380	378,100
Smithfield Foods, Inc., 10.00%,		300	370,100
7/15/14 (b)		1,050	1,124,156
			2,001,006
Health Care Equipment & Supplies 0.6%			
DJO Finance LLC, 10.88%,			
11/15/14		710	738,400
Hologic, Inc., 2.00%,		830	708,613
12/15/37 (f)(g)		830	 708,013
			1,447,013
Health Care Providers & Services 2.1%			
American Renal Holdings, 8.38%,			
5/15/18 (b) Polyte Inc. 7.25% 2/15/15		245 525	238,263
DaVita, Inc., 7.25%, 3/15/15 HCA, Inc.:		323	522,375
8.50%, 4/15/19		210	219,450
7.25%, 9/15/20 (b)		405	403,988
Tenet Healthcare Corp. (b):			,
10.00%, 5/01/18		850	931,812
8.88%, 7/01/19		2,230	 2,338,712
			 4,654,600

<b>Health Care Technology</b>			
IMS Health, Inc., 12.50%,	,	4.500	4 040 050
3/01/18 (b)		1,580	1,813,050
Hotels, Restaurants & Lo	eisure 0.9%		
Little Traverse Bay Bands			
Odawa Indians, 10.25%,			
2/15/14 (a)(b)(c)		1,210	400,813
MGM Mirage:			
13.00%, 11/15/13		80	91,200
10.38%, 5/15/14 (b)		720	765,000
11.13%, 11/15/17 (b)		750	811,875
Tropicana Entertainment I	LLC,		
Series WI, 9.63%,			
12/15/14 (a)(c)		220	297
			2,069,185
Household Durables 1.	10%		
Beazer Homes USA, Inc.,			
10/15/17	12.00 %,	1,000	1,110,000
10/13/17		1,000	1,110,000
2	BLACKROCK SENIOR HIGH INCOME FUND, INC.	MAY 31, 2010	

Corporate Bonds	Par (000)	Value
Household Durables (concluded)		
K. Hovnanian Enterprises, Inc., 10.63%, 10/15/16	USD 1,200	\$ 1,227,000
10.05%, 10/13/10	1,200	\$ 1,227,000
		2,337,000
Independent Power Producers & Energy Traders 3.3%		
The AES Corp., 8.75%,	120	141.005
5/15/13 (b) AES Eastern Energy LP, Series 99-	139	141,085
B, 9.67%, 1/02/29	570	619,875
Calpine Construction Finance Co.	1.600	1 (1( 000
LP, 8.00%, 6/01/16 (b) Dynegy Holdings, Inc., 8.38%,	1,600	1,616,000
5/01/16	1,260	1,039,500
Energy Future Holdings Corp.,	500	275 212
12.00%, 11/01/17 (e) NRG Energy, Inc.:	589	375,312
7.25%, 2/01/14	3,000	2,962,500
8.50%, 6/15/19	500	483,750
		7,238,022
Industrial Conglomerates 1.5% Sequa Corp. (b):		
11.75%, 12/01/15	1,430	1,430,000
13.50%, 12/01/15 (e)	1,930	1,966,164
		3,396,164
V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Machinery 1.7% ESCO Corp., 4.13%,		
12/15/13 (b)(d)	1,540	1,418,725
Navistar International Corp.,	1.500	1 500 000
8.25%, 11/01/21 Titan International, Inc., 8.00%,	1,500	1,500,000
1/15/12	770	806,575
		3,725,300
Media 7.7%		
Affinion Group, Inc., 10.13%,		
10/15/13	1,455	1,480,463
CCO Holdings LLC, 7.88%, 4/30/18 (b)	1.075	1,054,844
+/30/10 (U)	1,075 390	
		,

CSC Holdings, Inc., 8.50%, 4/15/14 (b)			
Clear Channel Worldwide			
Holdings, Inc. (b): Series A, 9.25%, 12/15/17		340	344,250
Series B, 9.25%, 12/15/17		2,757	2,805,247
DISH DBS Corp.:			
7.00%, 10/01/13 6.63%, 10/01/14		850 750	862,750 738,750
Gannett Co., Inc., 9.38%,		730	738,730
11/15/17 (b)		530	555,175
Intelsat Corp., 9.25%, 8/15/14		3,500	3,561,250
McClatchy Co., 11.50%, 2/15/17 (b)		745	748,725
Nielsen Finance LLC, 11.63%,		,	7 10,720
2/01/14		1,000	1,070,000
		Par	
Corporate Bonds		(000)	Value
Media (concluded)			
UPC Germany GmbH, 8.13%,	HCD	1.500	¢ 1.470.000
12/01/17 (b) Virgin Media Secured Finance Plc,	USD	1,500	\$ 1,470,000
6.50%, 1/15/18 (b)		2,075	2,038,687
			17,135,741
Metals & Mining 1.0%			
Aleris International, Inc., 9.00%,			
12/15/14 (a)(c)		840	2,100
Murray Energy Corp., 10.25%, 10/15/15 (b)		420	417,900
RathGibson, Inc., 11.25%, 2/15/14 (a)(c)		2,175	26,100
Ryerson, Inc., 7.72%,		2,173	20,100
11/01/14 (d)		1,800	1,676,250
			2,122,350
Multiline Retail 0.8%			
Dollar General Corp.:		((0)	710,400
10.63%, 7/15/15 11.88%, 7/15/17 (e)		660 948	719,400 1,075,980
		710	
			1,795,380
Oil, Gas & Consumable Fuels 4.1%			
Arch Coal, Inc., 8.75%,		1.40	1.42.000
8/01/16 (b) Atlas Energy Operating Co. LLC:		140	142,800
12.13%, 8/01/17		825	915,750
10.75%, 2/01/18		200	212,000
Coffeyville Resources LLC, 9.00%, 4/01/15 (b)		260	257,400
Consol Energy, Inc., 8.25%, 4/01/20 (b)		900	919,125
Crosstex Energy LP, 8.88%,			
2/15/18 (b) Danbury Passaurass Inc.:		330	325,050
Denbury Resources, Inc.:			

BLACKROCK SENIOR HIGH INCOME FUND, INC.	MAY 31, 2010	3
5/01/16 (b)	1,630	1,695,200
Georgia-Pacific LLC, 8.25%,	303	400,567
Clearwater Paper Corp., 10.63%, 6/15/16 (b)	365	400,587
11.00%, 7/29/15 (b)(e)	1,323	1,220,557
Ainsworth Lumber Co. Ltd.,	1 222	1 220 555
Paper & Forest Products 1.8%		
		9,064,889
11/30/10	2,985	2,477,550
Sabine Pass LNG LP, 7.50%, 11/30/16	2.005	2 477 550
12/15/12 (b)	1,000	1,005,000
OPTI Canada, Inc., 9.00%,		
12/15/13	800	768,000
Massey Energy Co., 6.88%,		33,000
7.25%, 6/15/19	85	80,006
8.50%, 2/15/14	280	287,700
El Paso Corp., 7.00%, 6/15/17 Forest Oil Corp.:	113	/5/,001
8.25%, 2/15/20 El Page Comp. 7 00%, 6/15/17	351 775	362,407 757,001
9.75%, 3/01/16	520	555,100

Paper & Forest Products (concluded)   Verso Paper Holdings, LLC:   1.50%, 7001/14 (b)   USD   315   \$ 336,263     Series B, 4.09%, 8/01/14 (d)   485   403,762	Corporate Bonds	Par (000)		Value
Verso Paper Holdings LLC:         USD 315         \$ 336,263           Series B, 4.09%, 8/01/14 (d)         485         403,762           4,056,369           Pharmaceuticals 0.3%           Angiotech Pharmaceuticals, Inc.,         355         744,900           Real Estate Investment Trusts (REITs) 0.2%           Omega Healtheare Investors, Inc.,         530         524,700           Semiconductors & Semiconductor Equipment 0.3%           Advanced Micro Devices, Inc.,         350         122,656           STATIS ChipPac Lt.dt.         150         150,188           6.75%, 11/15/11         330         329,587           Expecialty Retail 0.4%         485         487,425           United Atuo Group, Inc., 7.75%,         2215         227,928           Phillips Van Heusen Corp.:           7.75%, 11/15/23         215         2279,928           Quiksilver, Inc., 6.88%, 4/15/15         2,924,728           Wireless Telecommunications Enc.:           Cicket Communications Enc.:           10,00%, 7/15/15         140         143,500           Digicel Group Ld., 12,00%,         401/14 (b)         80         88,000           MerrorCS Wireless, Inc.: </th <th>Paper &amp; Forest Products (concluded)</th> <th></th> <th></th> <th></th>	Paper & Forest Products (concluded)			
Series B, 4.09%, 8/01/14 (d)				
Pharmaceuticals 0.3%				\$ ,
Pharmaceuticals   0.3%   Angiotech Pharmaceuticals, Inc.,   4.29%, 12/01/13 (d)   955   744,900	Series B, 4.09%, 8/01/14 (d)		485	 403,762
Angiotech Pharmaceuticals, Inc., 4,29%, 1201/13 (d) 955 744,000  Real Fatate Investment Trusts (REITs) 0.2% Omega Healthcare Investors, Inc., 7,50%, 2/15/20 (b) 530 524,700  Semiconductors & Semiconductor Equipment 0.3% Advanced Micro Devices, Inc., 8,13%, 12/15/17 (b) 150 150,188 6,75%, 11/15/11 150 150,188 6,75%, 11/15/11 150 150,188 6,75%, 11/15/11 150 150,188 Constant of the semiconductor Equipment 0.3%  Specialty Retail 0.4% United Auto Group, Inc., 7,75%, 12/15/16 845 796,413  Textiles, Apparel & Luxury Goods 1.3% Phillips-Van Heusen Corp.: 7,38%, 5/15/20 1485 487,425 7,38%, 5/15/20 1485 487,425 2,294,728  Wireless Telecommunication Services 3.4% Cricket Communications, Inc.: 10,00%, 7/15/15 140 143,500 Ty75%, 5/15/16 1,770 1,796,550 Digical Group Ltd., 12,00%, 400/114 (b) 800 888,000 MetroPCS Wireless, Inc.: 925%, 11/10/114 2,000 2,040,000 Posteries K, 6,88%, 10/31/13 1,340 1,283,050				4,056,369
A.29%, 12/01/13 (d)   955   744,900	Pharmaceuticals 0.3%			
Real Estate Investment Trusts (REITs)   0.2%   0.	Angiotech Pharmaceuticals, Inc.,			
Omega Healthcare Investors, Inc., 7.50%, 2/15/20 (b)         530         524,700           Semiconductors & Semiconductor Equipment 0.3%         Advanced Micro Devices, Inc., 8.13%, 1215/17 (b)         125,656           STATS ChipPAC Ltd.:         150         150,188           5.75%, 7/19/10         150         150,188           6.75%, 11/15/11         330         329,587           Specialty Retail 0.4%         United Auto Group, Inc., 7.75%, 121/15/16         845         796,413           Extiles, Apparel & Luxury Goods 1.3%         Phillips- Van Heusen Corp.:           7.35%, 5/15/20         485         487,425           7.75%, 11/15/23         215         227,928           Quissilver, Inc., 6.88%, 4/15/15         2,924,728           Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:           Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:           9.294,728           Wireless Telecommunications, Inc.:         80         888,800           Wireless Telecommunications, Inc.:         80         888,000      <	4.29%, 12/01/13 (d)		955	744,900
Semiconductors & Semiconductor Equipment   0.3%   Advanced Micro Devices, Inc.,	Real Estate Investment Trusts (REITs) 0.2%			
Semiconductors & Semiconductor Equipment   0.3%   Advanced Micro Devices, Inc.,   125   122,656   8.13%, 12/15/17 (b)   150   150,188   6.75%, 11/15/11   330   329,587   602,431   845   796,431   845   796,413   845   84	Omega Healthcare Investors, Inc.,			
Advanced Micro Devices, Inc., 8.13%, 12/15/17 (b) 12, 56 56  TATS ChipPAC Ltd:: 7.50%, 7/19/10 150 150, 188 6.75%, 11/15/11 330 329,887  602,431  Specialty Retail 0.4% United Auto Group, Inc., 7.75%, 12/15/16 845 796,413  Textiles, Apparel & Luxury Goods 1.3% Phillips-Van Heusen Corp.: 7.38%, 5/15/20 485 487,425 7.75%, 11/15/23 215 227,928 Quiksilver, Inc., 6.88%, 4/15/15 2,525 2,209,375  Wireless Telecommunication Services 3.4% Cricket Communication, Inc.: 10.00%, 7/15/15 140 143,500 Cricket Communication, Inc.: 10.00%, 7/15/16 1,770 1,796,550 Digical Group Ltd., 12.00%, 4/01/14 (b) 800 888,000 MetroPCS Wireless, Inc.: 9.25%, 11/01/14 2,000 2,040,000 9.25%, 11/01/14 2,000 2,040,000 9.25%, 11/01/14 10 10,300 Nextel Communication, Inc.: Series E, 6.88%, 10/31/13 1,340 1,283,050	7.50%, 2/15/20 (b)		530	524,700
R.13%, 12/15/17 (b)   125   122,656   STATS ChipPAC Ltd.:				
STATS ChipPAC Ltd.:         7.50%, 711910       150       150,188         6.75%, 11715/11       330       329,587         Specialty Retail 0.4%         United Auto Group, Inc., 7.75%,         12/15/16       845       796,413         Textiles, Apparel & Luxury Goods 1.3%         Phillips-Van Heusen Corp.:         7.35%, 51/5/20       485       487,425         7.5%, 11/15/23       215       227,928         Quiksilver, Inc., 6.88%, 4/15/15       2,525       2,209,375         Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       140       143,500         1,53%, 51/51/16       1,770       1,796,550         Digical Group Ltd., 12.00%,       40114 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6,88%, 10/31/13       1,340       1,283,050				
7.50%, 7/19/10 150 150,188 6.75%, 11/15/11 330 329,587 602,431  Specialty Retail 0.4% United Auto Group, Inc., 7.75%, 12/15/16 845 796,413  Textiles, Apparel & Luxury Goods 1.3% Phillips-Van Heusen Corp.: 7.38%, 5/15/20 485 487,425 7.75%, 11/15/23 215 227,928 Quiksilver, Inc., 6.88%, 4/15/15 2,525 2,209,375  Wireless Telecommunication Services 3.4% Cricket Communications, Inc.: 10.00%, 7/15/15 140 143,500 7.75%, 5/15/16 1,770 1,796,550 Digical Group Ltd., 12.00%, 4/01/14 (b) 800 888,000 MetroPCS Wireless, Inc.: 9.25%, 11/01/14 2,000 2,040,000 9.25%, 11/01/14 2,000 2,040,000 9.25%, 11/01/14 10 10,300 Nextel Communications, Inc.: Series E, 6.88%, 10/31/13 1,340 1,283,050			125	122,656
6.75%, 11/15/11       330       329,587         Specialty Retail 0.4%         United Auto Group, Inc., 7.75%, 12/15/16       845       796,413         Textiles, Apparel & Luxury Goods 1.3%         Phillips-Van Heusen Corp.:       7.38%, 5/15/20       485       487,425         7.75%, 11/15/23       215       227,928         Quiksilver, Inc., 6.88%, 4/15/15       2,525       2,209,375         Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%, 4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000       9,25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6.88%, 10/31/13       1,340       1,283,050	*		4.50	150 100
Specialty Retail 0.4%   United Auto Group, Inc., 7.75%,   12/15/16   845   796,413     Textiles, Apparel & Luxury Goods 1.3%   Phillips-Van Heusen Corp.:   7.38%, 5/15/20   485   487,425   487,425   487,425   487,425   487,425   487,425   487,425   487,425   488, 4/15/15				,
Specialty Retail   0.4%   United Auto Group, Inc., 7.75%,   12/15/16   845   796,413     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415     796,415   796,415     7	6./5%, 11/15/11		330	 329,587
United Auto Group, Inc., 7.75%, 12/15/16       845       796,413         Textiles, Apparel & Luxury Goods 1.3%         Phillips-Van Heusen Corp.:         7.38%, 5/15/20       485       487,425         7.75%, 11/15/23       215       227,928         Quiksilver, Inc., 6.88%, 4/15/15       2,525       2,209,375         Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       10.00%, 7/15/15       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%, 4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000       9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13       1,340       1,283,050				602,431
12/15/16 845 796,413  Textiles, Apparel & Luxury Goods 1.3% Phillips-Van Heusen Corp.: 7.38%, 5/15/20 485 487,425 7.75%, 11/15/23 215 227,928 Quiksilver, Inc., 6.88%, 4/15/15 2,525 2,209,375  Wireless Telecommunication Services 3.4% Cricket Communications, Inc.: 10.00%, 7/15/15 140 143,500 7.75%, 5/15/16 1,770 1,796,550 Digical Group Ltd., 12.00%, 4/01/14 (b) 800 888,000 MetroPCS Wireless, Inc.: 9.25%, 11/01/14 2,000 2,040,000 9.25%, 11/01/14 10 10,300 Nextel Communications, Inc.: Series E, 6.88%, 10/31/13 1,340 1,283,050	Specialty Retail 0.4%			
Textiles, Apparel & Luxury Goods 1.3% Phillips-Van Heusen Corp.: 7.38%, 5/15/20 485 487,425 7.75%, 11/15/23 215 227,928 Quiksilver, Inc., 6.88%, 4/15/15 2,525 2,209,375  Wireless Telecommunication Services 3.4% Cricket Communications, Inc.: 10.00%, 7/15/15 140 143,500 7.75%, 5/15/16 1,770 1,796,550 Digicel Group Ltd., 12.00%, 4/01/14 (b) 800 888,000 MetroPCS Wireless, Inc.: 9.25%, 11/01/14 2,000 2,040,000 9.25%, 11/01/14 10 10,300 Nextel Communications, Inc.: Series E, 6.88%, 10/31/13 1,340 1,283,050	United Auto Group, Inc., 7.75%,			
Phillips-Van Heusen Corp.:         7.38%, 5/15/20       485       487,425         7.75%, 11/15/23       215       227,928         Quiksilver, Inc., 6.88%, 4/15/15       2,525       2,209,375         Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       140       143,500         1.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%, 4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6.88%, 10/31/13       1,340       1,283,050	12/15/16		845	796,413
7.38%, 5/15/20       485       487,425         7.75%, 11/15/23       215       227,928         Quiksilver, Inc., 6.88%, 4/15/15       2,525       2,209,375         Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       140       143,500         1.75%, 5/15/15       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%, 4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13       1,340       1,283,050				
7.75%, 11/15/23 Quiksilver, Inc., 6.88%, 4/15/15  Quiksilver, Inc., 6.88%, 4/15/15  2,525  2,209,375    Wireless Telecommunication Services 3.4%  Cricket Communications, Inc.:  10.00%, 7/15/15  140  143,500  7.75%, 5/15/16  1,770  1,796,550  Digicel Group Ltd., 12.00%, 4/01/14 (b)  800  888,000  MetroPCS Wireless, Inc.:  9.25%, 11/01/14  2,000  2,040,000  9.25%, 11/01/14  10  10,300  Nextel Communications, Inc.:  Series E, 6.88%, 10/31/13  1,340  1,283,050				
Quiksilver, Inc., 6.88%, 4/15/15       2,525       2,209,375         Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       10.00%, 7/15/15       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%, 4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13       1,340       1,283,050				
2,924,728       Wireless Telecommunication Services 3.4%       Cricket Communications, Inc.:     140 143,500       7.75%, 5/15/15     140 143,500       7.75%, 5/15/16     1,770 1,796,550       Digicel Group Ltd., 12.00%, 4/01/14 (b)     800 888,000       MetroPCS Wireless, Inc.:     9.25%, 11/01/14     2,000 2,040,000       9.25%, 11/01/14     10 10,300       Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13     1,340 1,283,050	,			
Wireless Telecommunication Services 3.4%         Cricket Communications, Inc.:       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%,       800       888,000         MetroPCS Wireless, Inc.:       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13       1,340       1,283,050	Quiksilver, Inc., 6.88%, 4/15/15	2,	.525	 2,209,375
Cricket Communications, Inc.:         10.00%, 7/15/15       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%,       800       888,000         MetroPCS Wireless, Inc.:       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6.88%, 10/31/13       1,340       1,283,050				2,924,728
10.00%, 7/15/15       140       143,500         7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%,       800       888,000         MetroPCS Wireless, Inc.:       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6.88%, 10/31/13       1,340       1,283,050	Wireless Telecommunication Services 3.4%			
7.75%, 5/15/16       1,770       1,796,550         Digicel Group Ltd., 12.00%,       800       888,000         4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13       1,340       1,283,050	Cricket Communications, Inc.:			
Digicel Group Ltd., 12.00%,       800       888,000         4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6.88%, 10/31/13       1,340       1,283,050				
4/01/14 (b)       800       888,000         MetroPCS Wireless, Inc.:       9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       Series E, 6.88%, 10/31/13       1,340       1,283,050		1,	770	1,796,550
MetroPCS Wireless, Inc.:       2,000       2,040,000         9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       5eries E, 6.88%, 10/31/13       1,340       1,283,050			000	000 000
9.25%, 11/01/14       2,000       2,040,000         9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:         Series E, 6.88%, 10/31/13       1,340       1,283,050			800	888,000
9.25%, 11/01/14       10       10,300         Nextel Communications, Inc.:       10       10,300         Series E, 6.88%, 10/31/13       1,340       1,283,050		2	000	2 040 000
Nextel Communications, Inc.: Series E, 6.88%, 10/31/13 1,283,050		Σ,		
Series E, 6.88%, 10/31/13 1,283,050			10	10,500
		1	340	1,283,050
	Series F, 5.95%, 3/15/14		100	92,250

Orascom Telecom Finance SCA,		
7.88%, 2/08/14 (b)	395	355,500
Sprint Capital Corp.:		
7.63%, 1/30/11	220	223,850
8.38%, 3/15/12	325	334,750
6.88%, 11/15/28	370	307,562
	_	
		7,475,312
Total Corporate Bonds 61.7%		137,038,115

Floating Rate Loan Interests (d)	Par (000)	Value
Aerospace & Defense 0.3%		
Hawker Beechcraft Acquisition Co., LLC:		
Letter of Credit Facility Deposit, 2.29%, 3/26/14	USD 52	\$ 42,317
Term Loan, 2.29% - 2.35%,	32	Ψ 12,317
3/26/14	868	713,455
		755,772
Airlines 0.5%		
Delta Air Lines, Inc., Credit-Linked		
Deposit Loan, 0.20% - 2.32%, 4/30/12	1,213	1,157,937
	·	· · ·
Auto Components 3.4%		
Affinion Group Holdings, Inc.: Loan, 7.89%, 3/01/12	1,479	1,391,851
Term Loan B, 5.00%, 4/08/16	750	
Allison Transmission, Inc., Term		,
Loan, 3.01% - 3.10%, 8/07/14	4,981	4,516,024
Dana Holding Corp., Term Advance, 4.53% - 4.73%,		
1/30/15	598	574,366
The Goodyear Tire & Rubber Co.,		
Loan (Second Lien), 2.24%,	200	276 212
4/30/14	300	276,313
		7,475,742
Automobiles 0.7%		
Ford Motor Co.:		
Tranche B-1 Term Loan,	1.160	1 000 106
3.31% - 3.34%, 12/15/13 Tranche B-2 Term Loan,	1,160	1,080,186
3.26%, 12/15/13	595	552,090
		1,632,276
Beverages 0.6% SW Acquisitions Co., Inc., Term		
Loan, 5.75%, 6/01/16	1,447	1,442,354

Building Products 1.2%		
Building Materials Corp. of		
America, Term Loan Advance,		
3.13%, 2/22/14	1,220	1,178,034
Goodman Global, Inc., Term Loan,		
6.25%, 2/13/14	1,523	1,521,102
	-	
		2,699,136
Chemicals 4.0%		
CF Industries Holdings, Inc., Bridge		
Loan, 4.50%, 3/17/15	2,210	2,207,635
Chemtura Corp., Debtor in	2,210	2,207,033
Possession Return of Capital		
Term Loan, 6.00%, 1/26/11	800	801,500
Gentek Holding, LLC, Tranche B	000	001,200
Term Loan, 7.00%, 10/29/14	399	398,751
Nalco Co., Term Loan, 6.50%,		,
5/13/16	1,017	1,016,465
PQ Corp., Term Loan (First Lien),		
3.59% - 3.61%, 7/30/14	2,521	2,291,065
4 BLACKROCK SENIOR HIGH INCOME FUND, INC.	MAY 31, 2010	,

Floating Rate Loan Interests (d)	Par (000)	Value
Chemicals (concluded)		
Rockwood Specialties Group, Inc.,	1100 070	076.604
Term Loan H, 6.00%, 5/15/14 Solutia, Inc., Term Loan, 4.75%,	USD 878	8 \$ 876,604
3/01/17	1,250	1,247,916
		8,839,936
Commercial Services & Supplies 2.2%		
ARAMARK Corp.:		
Facility Letter of Credit, 2.23%, 1/26/14	23	21,862
Line of Credit, 3.60%,	23	21,002
7/26/16	41	39,974
Term Loan B, 3.54%, 7/26/16	628	607,832
US Term Loan, 2.17%,		
1/26/14	349	332,430
Adesa, Inc. (KAR Holdings, Inc.), Initial Term Loan, 3.11%,		
10/21/13	611	579,618
Casella Waste Systems, Inc., Term	011	277,010
Loan B, 7.00%, 4/09/14	218	217,804
International Lease Finance Corp.:		
Term Loan 1, 6.75%, 2/23/15	1,100	
Term Loan 2, 7.00%, 3/05/16	950	924,350
Synagro Technologies, Inc., Term Loan (First Lien), 2.34% - 2.36%,		
4/02/14	423	380,015
West Corp., Incremental Term B-3		
Loan, 7.25%, 10/24/13	767	765,836
		4,943,871
Construction & Engineering 0.9%		
Brand Energy & Infrastructure Services, Inc. (FR Brand		
Acquisition Corp.), Synthetic		
Letter of Credit, Term Loan (First		
Lien), 2.68%, 2/07/14	500	447,500
Safway Services, LLC, First Out		
Term Loan, 9.00%, 12/14/17	1,500	1,500,000
		1,947,500
Consumer Finance 1.1%		
American General Finance Corp., Term Loan, 7.25%, 4/16/16	2,500	2,420,000
101111 Loan, 1.23/0, 7/10/10	2,300	2,420,000

Anchor Chase Container Corp. Term Loan B. 600%, 2018/15 BWAY CORP: Term Loan S. 509%, 5021/17 Term Loan Camada, 5.509%, 5021/17 Berry Plastics Holding Corp., Term Loan C., 2.20%, 4/03/15  Berry Plastics Holding Corp., Term Loan C., 2.20%, 4/03/15  Diversified Consumer Services 2.1% Commands Service Corp. Term Loan, 3.47%, 11/14/14  Plasting Rate Loan Interests (d)  Diversified Consumer Services (concluded) Laureate Education, Series A New Term Loan, 7.00%, 8/15/14  USD 2.953  Every Laureate Education, Series A New Term Loan, 7.00%, 8/15/14  USD 2.953  S 2.916.412  Diversified Financial Services  Berry Laureate Education, Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Berry Laureate Education, Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan B, 4.75%, 6630/16  Diversified Financial Services  Book Series A New Term Loan Communication Services  Book Series A New Term Loan			
Term Loan B, 6.00%, 21816	8 8		
BMAY Corp.:		41	0 412 202
Term Lana, 5.50%, 5.21/17 Term Lana, 5.50%, 5.21/17 Term Lana, 5.50%, 5.20/17  1,000	BWAY Corp.:	41	6 413,363
S20017	Term Loan, 5.50%, 5/21/17	73	1 727,478
Berry Plastics Holding Corp., Term   Loan C, 2.26%, 4/03/15   445,482   1,654,731   1,654,731   1,654,731   1,654,731   1,654,731   1,66		e	68 388
1,654,731   1,654,731   1,654,731   1,654,731   1,654,731   1,654,731   1,654,731   1,654,731   1,654,731   1,703,888   1,703,888   1,704   1,703,888   1,704   1,703,888   1,705   1,703,888   1,705   1,703,888   1,705   1,705,888   1,705   1,705,898   1,705,898   1,705   1,705,898   1,705,89	Berry Plastics Holding Corp., Term		00,500
Diversified Consumer Services   2.1%   1.960   1.703.888	Loan C, 2.26%, 4/03/15	49	7 445,482
Diversified Consumer Services   2.1%   1.960   1.703.888			1 654 721
Coinmach Service Corp., Term Loan, 3.47%, 11/14/14         1,960         1,703,888           Floating Rate Loan Interests (d)         Par (mot)         Value           Diversified Consumer Services (concluded)           Laureate Education, Series A New           Term Loan, 7,00%, 8/15/14         USD         2,953         \$ 2,916,412           A (620,000)           Diversified Financial Services 1.3%           MSCI, Inc., Term Loan B, 4,75%, 630/16         1,175         1,170,594           Reynolds Group Holdings, Inc.:         794,000         794,000           US Term Loan, 6,25%, 5,55%, 5,505/16         804         880,214           US Term Loan, 6,25%, 5,005/16         894         880,214           Diversified Telecommunication Services 0.9%           Level 3 Communications, 10         1,225         1,101,188           2.5%, 3/13/14         1,225         1,101,188           2.5%, 3/13/14         1,225         1,101,188           2.5%, 3/13/14         300         287,250           Term Loan B2 Facility, 4,66%, 5,26/1         300         287,250           Term Loan C2 Facility, 3,66%, 5,24/13         300         287,250           Electroic Equipment 0.3%         2074,938           Elect			1,034,731
Loan, 3.47%, 11/14/14         1,960         1,703,888           Floating Rate Loan Interests (d)         Par (0000)         Value           Diversified Consumer Services (concluded)           Laureate Education, Series A New         USD 2,953         \$ 2,916,412           Term Loan, 7,00%, 8/15/14         USD 2,953         \$ 2,916,412           MSCI, Inc., Term Loan B, 4.75%, 6630,116         1,175         1,170,594           Reynolds Group Holdings, Inc.:         Term Loan (First Lien), 5.75%, 505/16         800         794,000           Reservices 1.38         880,214         880,214           Diversified Telecommunication Services 0.9%         894         880,214           Level 3 Communications, Incremental Term Loan, 2.55%, 3/13/14         1,225         1,101,188           Use Telepacific Cop., Term Loan (Second Lien), 9.25%, 7/25/15         400         399,250           Use Telepacific Cop., Term Loan (Second Lien), 9.25%, 7/25/15         300         287,250           Term Loan B2 Facility, 4.66%, 572/15         300         287,250           Term Loan B2 Facility, 3.66%, 572/14         300         287,250           Term Loan B2 Facility, 4.67, 67         300         287,250           Term Loan B2 Facility, 4.66%, 57         300         287,250	Diversified Consumer Services 2.1%		
Par   One	Coinmach Service Corp., Term	1.04	1 702 000
Planting Rate Loan Interests (d)   (000)   Value	Loan, 3.4/%, 11/14/14	1,96	0 1,703,888
Diversified Consumer Services (concluded)	Election Data I can Internate (d)		¥7-1
Laureate Education, Series A New Term Loan, 7.00%, 8/15/14  Term Loan, 7.00%, 8/15/14  Diversified Financial Services 1.3%  MSCI, Inc., Term Loan B, 4.75%, 6/30/16  Reynolds Group Holdings, Inc.: Term Loan (First Lien), 5.75%, 800 794,000 UST Term Loan, 6.25%, 5/05/16  By Reynolds Communication Services 0.9%  Level 3 Communication Services 0.9%  Level 3 Communications, Incremental Term Loan, 2.55%, 3/13/14  Diversified Telecommunication Services 0.9%  Level 3 Communication Services 0.9%  Level 4 Communication Services 0.9%  Level 5 Communication Services 0.9%  Level 6 Communication Services 0.9%  Level 7 Communication Services 0.9%  Level 8 Communication Services 0.9%  Level 9 Communication Services 0.9%  Level 9 Communication Services 0.9%  Level 1 Communication Services 0.9%  Level 3 Communication Services 0.9%  Level 3 Communication Services 0.9%  Level 4 Communication Services 0.9%	rioating Rate Loan Interests (d)	(000)	value
Term Loan, 7.00%, 8/15/14 USD 2,953 \$ 2,916,412 4,620,300  Diversified Financial Services 1.3% MSCI, Inc., Term Loan B, 4.75%, 6/30/16 1,175 1,170,594 Reynolds Group Holdings, Inc.: Term Loan (First Lien), 5.75%, 5/05/16 800 794,000 US Term Loan, 6,25%,5/05/16 894 880,214 2.844,808  Diversified Telecommunication Services 0.9% Level 3 Communications, Incremental Term Loan, 2.55%, 3/13/14 1,225 1,101,188 US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15 400 399,250 Wind Telecommunication Space (Space) Wind Telecommunication Space (Space) Term Loan B 2 Facility, 4.66%, 5/26/14 300 287,250 Term Loan C2 Facility, 3.66%, 5/26/14 300 287,250 Term Loan C2 Facility, 3.66%, 5/26/14 500 300 287,250 Term Loan C3 Facility, 3.66%, 5/26/14 500 300 287,250 Term Loan C5 Facility, 3.66%, 5/26/14 500 500 500 500 500 500 500 500 500 50	Diversified Consumer Services (concluded)		
Diversified Financial Services   1.3%	Laureate Education, Series A New	1100 200	72
MSCI, Inc., Term Loan B, 4.75%, 6/30/16   1.175   1.170.594	1erm Loan, 7.00%, 8/15/14	08D 2,93	3 \$ 2,916,412
MSCI, Inc., Term Loan B, 4.75%, 6/30/16 1,175 1,170,594 Reynolds Group Holdings, Inc.:  Term Loan (First Lien), 5.75%, 800 794,000 US Term Loan, 6.25%,5/05/16 804 880,214 2,844,808  Diversified Telecommunication Services 0.9% Level 3 Communications, Incremental Term Loan, 2,55%, 3/13/14 1,225 1,101,188 US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15 400 399,250 Wind Telecomunicazioni SpA:  Term Loan B2 Facility, 4.66%, 5/26/11 300 287,250 Term Loan C2 Facility, 3.66%, 5/24/13 300 287,250  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5,25%, 1/31/14 592 589,498  Electronic Equipment, Instruments & Components 0.5%			4,620,300
MSCI, Inc., Term Loan B, 4.75%, 6/30/16 1,175 1,170,594 Reynolds Group Holdings, Inc.:  Term Loan (First Lien), 5.75%, 800 794,000 US Term Loan, 6.25%,5/05/16 804 880,214 2,844,808  Diversified Telecommunication Services 0.9% Level 3 Communications, Incremental Term Loan, 2,55%, 3/13/14 1,225 1,101,188 US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15 400 399,250 Wind Telecomunicazioni SpA:  Term Loan B2 Facility, 4.66%, 5/26/11 300 287,250 Term Loan C2 Facility, 3.66%, 5/24/13 300 287,250  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5,25%, 1/31/14 592 589,498  Electronic Equipment, Instruments & Components 0.5%			
1,175	Diversified Financial Services 1.3%		
Reynolds Group Holdings, Inc.:  Term Loan (First Lien), 5.75%, 505/16  800  Term Loan, 6.25%, 5/05/16  894  880, 214  880, 2844,808  880, 214  880, 21  880, 214  880, 21  880, 2	MISCI, Inc., Term Loan B, 4.75%, 6/30/16	1.17	75 1.170.594
S/05/16	Reynolds Group Holdings, Inc.:	, -	, ,
US Term Loan, 6.25%,5/05/16  894 880,214  2,844,808  Diversified Telecommunication Services 0.9% Level 3 Communications, Incremental Term Loan, 2,55%, 3/13/14 1,225 1,101,188 US Telepacific Corp., Term Loan (Second Lien), 9,25%, 7/25/15 400 399,250 Wind Telecomunicazioni SpA: Term Loan B2 Facility, 4.66%, 5/26/14 300 287,250 Term Loan C2 Facility, 3.66%, 5/24/13 300 287,250 2,074,938  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5,25%, 1/31/14 592 589,498  Electronic Equipment, Instruments & Components 0.5% CDW Computer Centers, Inc., Term	Term Loan (First Lien), 5.75%,	90	704,000
Accordance   Acc	US Term Loan,	80	0 /94,000
Diversified Telecommunication Services   0.9%	6.25%,5/05/16	89	880,214
Diversified Telecommunication Services   0.9%			2 044 000
Level 3 Communications, Incremental Term Loan, 2.55%, 3/13/14  US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15  Wind Telecomunicazioni SpA: Term Loan B2 Facility, 4.66%, 5/26/14  Term Loan C2 Facility, 3.66%, 5/24/13  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5.25%, 1/31/14  Electronic Equipment, Instruments & Components 0.5%  Electronic Equipment, Instruments & Components 0.5%  CDW Computer Centers, Inc., Term			2,844,808
Incremental Term Loan,   2.55%, 3/13/14   1,225   1,101,188     US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15   400   399,250     Wind Telecomunicazioni SpA:	Diversified Telecommunication Services 0.9%		
2.55%, 3/13/14 1,225 1,101,188 US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15 400 399,250 Wind Telecomunicazioni SpA: Term Loan B2 Facility, 4.66%, 5/26/14 300 287,250 Term Loan C2 Facility, 3.66%, 5/24/13 300 287,250  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5.25%, 1/31/14 592 589,498  Electronic Equipment, Instruments & Components 0.5% CDW Computer Centers, Inc., Term	Level 3 Communications,		
US Telepacific Corp., Term Loan (Second Lien), 9.25%, 7/25/15 Wind Telecomunicazioni SpA: Term Loan B2 Facility, 4.66%, 5/26/14 300 287,250 Term Loan C2 Facility, 3.66%, 5/24/13 300 287,250 2,074,938  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5,25%, 1/31/14 592 589,498  Electronic Equipment, Instruments & Components 0.5% CDW Computer Centers, Inc., Term		1.22	25 1 101 188
Wind Telecomunicazioni SpA: Term Loan B2 Facility, 4.66%, 5/26/14 300 287,250 Term Loan C2 Facility, 3.66%, 5/24/13 300 287,250  2,074,938  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5.25%, 1/31/14 592 589,498  Electronic Equipment, Instruments & Components 0.5% CDW Computer Centers, Inc., Term	US Telepacific Corp., Term Loan	1,22	1,101,100
Term Loan B2 Facility, 4.66%, 5/26/14  Term Loan C2 Facility, 3.66%, 5/24/13  300 287,250  2,074,938  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5.25%, 1/31/14  592 589,498  Electronic Equipment, Instruments & Components 0.5%  CDW Computer Centers, Inc., Term		40	0 399,250
Size			
5/24/13  2,074,938  Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5.25%, 1/31/14  592  589,498  Electronic Equipment, Instruments & Components 0.5%  CDW Computer Centers, Inc., Term	5/26/14	30	00 287,250
2,074,938		30	00 287 250
Electrical Equipment 0.3% Baldor Electric Co., Term Loan, 5.25%, 1/31/14  592 589,498  Electronic Equipment, Instruments & Components 0.5%  CDW Computer Centers, Inc., Term	3124/13	30	
Baldor Electric Co., Term Loan, 5.25%, 1/31/14  592 589,498  Electronic Equipment, Instruments & Components CDW Computer Centers, Inc., Term			2,074,938
Baldor Electric Co., Term Loan, 5.25%, 1/31/14  592 589,498  Electronic Equipment, Instruments & Components CDW Computer Centers, Inc., Term	Floatrical Fauinment 0 3%		
5.25%, 1/31/14 592 589,498 Electronic Equipment, Instruments & Components CDW Computer Centers, Inc., Term			
CDW Computer Centers, Inc., Term	5.25%, 1/31/14	59	589,498
CDW Computer Centers, Inc., Term	Electronic Equipment, Instruments & Components 0.5%		
Loan B, 3.30%, 10/10/14 1,215 1,069,200	CDW Computer Centers, Inc., Term		
	Loan B, 3.30%, 10/10/14	1,21	5 1,069,200

Energy Equipment & Services 0.4%		
MEG Energy Corp., Term Loan D, 6.00%, 4/03/16	970	955,264
Food & Staples Retailing 1.4%		
Pierre Foods, Term Loan B, 7.00%, 2/17/16	588	590,500
Pilot Travel Centers, Term Loan B, 5.25%, 11/18/15	1,250	1,247,991
Rite Aid Corp., Tranche 4 Term Loan, 9.50%, 6/10/15	1,196	1,212,619
		3,051,110
Food Products 2.3%		
Dole Food Co., Inc.:		
Credit-Linked Deposit, 8.07%,		
4/12/13	828	826,714
Term Loan B, 5.00% - 5.50%, 2/10/17	565	563,996
Term Loan C, 5.00%, 2/10/17	1,403	1,400,825
Pilgrim s Pride Corp., Term Loan A,	1,403	1,400,023
5.29%, 12/01/12	725	717,750
BLACKROCK SENIOR HIGH INCOME FUND, INC.	MAY 31, 2010	
BEACHROCK SENIOR THOIT INCOME I OND, INC.	WIAT 51, 2010	3

Floating Rate Loan Interests (d)	Par (000)	Value
Food Products (concluded) Pinnacle Foods Finance LLC,		
Tranche C Term Loan, 7.50%, 4/02/14	USD 1,700	\$ 1,680,345
		5,189,630
Health Care Equipment & Supplies 0.4%		
DJO Finance LLC (ReAble		
Therapeutics Finance LLC), Term Loan, 3.35%, 5/20/14	881	846,663
Health Care Providers & Services 3.4%		
Ardent Health Services, Inc., Term		
Loan, 6.50%, 8/10/15	600	586,500
CHS/Community Health Systems, Inc.:		
Delayed Draw Term Loan, 2.79%, 7/25/14	105	98,537
Funded Term Loan, 2.60% -	103	96,337
2.79%, 7/25/14	2,017	1,885,941
DaVita, Inc., Tranche B-1 Term	,	, , .
Loan, 1.79% - 1.85%, 10/05/12	300	292,667
HCA, Inc.:		
Tranche A-1 Term Loan,	2.755	2 606 010
1.79%, 11/16/12 Tranche B-1 Term Loan,	2,755	2,606,010
2.54%, 11/18/13	125	118,125
Harden Healthcare, Term Loan A,		
8.50%, 2/22/15	398	390,218
Renal Advantage Holdings, Inc.,	(00	505.000
Term Loan 6.00%, 5/25/16 Vanguard Health Holding Co. II,	600	597,000
LLC (Vanguard Health Systems,		
Inc.), Initial Term Loan, 5.00%,		
1/29/16	1,100	1,085,150
		7,660,148
		.,,
Health Care Technology 0.7%		
IMS Healthcare, Term Loan B,		
5.25%, 2/16/16	1,584	1,570,191
Hotels, Restaurants & Leisure 3.0%		
Blackstone UTP Capital LLC, Loan,		
7.75%, 11/06/14	1,247	1,246,875
Harrah s Operating Co., Inc.:		

Floating Rate Loan Interests (d)	Par (000)	Value
		6,657,925
Term B Delayed Draw Project Loan, 4.80%, 5/25/12	208	200,307
New Project Term Loan, 4.80%, 5/27/13	832	802,194
VML US Finance LLC (FKA Venetian Macau):		
Six Flags Theme Parks, Inc., Exit Term Loan, 6.00%, 4/19/16	1,750	1,738,426
Term Loan B-4, 9.50%, 10/31/16	1,247	1,247,740
Term Loan B-3, 3.32%, 1/28/15	1,700	1,416,666
Term Loan B-2, 3.32%, 1/28/15	7	5,717

Floating Rate Loan Interests (d)	Par (000)	Value
IT Services 2.6%		
Audio Visual Services Group, Inc.,		
Tranche B Term Loan (First		
Lien), 2.55%, 2/28/14	USD 992	\$ 739,313
Ceridian Corp., US Term Loan,		
3.35%, 11/09/14	1,470	1,347,806
First Data Corp.:		
Initial Tranche B-2 Term Loan,	1.017	1.505.000
3.03% - 3.04%, 9/24/14	1,817	1,527,898
Initial Tranche B-3 Term Loan, 3.03% - 3.04%, 9/24/14	1,613	1 257 952
SunGard Data Systems, Inc. (Solar	1,013	1,357,853
Capital Corp.), Incremental Term		
Loan, 6.75%, 2/28/14	855	849,128
Louii, 0.75 70, 2/20/14	033	047,120
		5,821,998
Independent Power Producers & Energy Traders 0.5%		
Dynegy Holdings, Inc.:		
Term Letter of Credit Facility, 4.11%, 4/02/13	463	440,106
Tranche B Term Loan, 4.11%, 4/02/13	37	35,338
Texas Competitive Electric Holdings Co., LLC (TXU):		
Initial Tranche B-2 Term Loan,		
3.79%- 4.07%, 10/10/14	483	370,721
Initial Tranche B-3 Term Loan,		
3.79% - 3.80%, 10/10/14	227	173,001
		1,019,166
Industrial Conglomerates 0.2%		
Sequa Corp., Term Loan, 3.48% -		
3.55%, 12/03/14	450	411,027
Insurance 0.1%		
Alliant Holdings I, Inc., Term Loan,		
3.29%, 8/21/14	142	129,866

Internet & Catalog Retail 0.3%	6		
FTD Group, Inc., Tranche B Term			
Loan, 6.75%, 8/26/14		573	571,740
Leisure Equipment & Products	0.1%		
Fender Musical Instruments Corp.:			
Delayed Draw Loan, 2.61%,			
6/09/14		109	95,647
Initial Loan, 2.55%, 6/09/14		216	189,347
ilitiai Eoali, 2.33 /0, 0/07/14		210	107,547
			294 004
			284,994
Machinery 1.0%			
Bucyrus International,			
Term Loan C, 4.50%, 1/26/16		425	422,521
Generac Acquisition Corp., Term			
Loan (First Lien), 2.79%,			
11/10/13		145	133,395
LN Acquisition Corp. (Lincoln			
Industrial), Initial Term Loan			
(Second Lien), 6.09%, 1/09/15		1,000	880,000
	WROCK CENTON WICH DIGONE EVAND INC	MAN 21 2010	
6 BLAC	KROCK SENIOR HIGH INCOME FUND, INC.	MAY 31, 2010	

Floating Rate Loan Interests (d)	Par (000)	Value
Machinery (concluded)		
Oshkosh Truck Corp., Term Loan B,		
6.26%, 12/06/13	USD 780	\$ 779,082
		2,214,998
Media 9.5%		
Cengage Learning Acquisitions,		
Inc. (Thomson Learning),		
Tranche 1 Incremental Term		
Loan, 7.50%, 7/03/14	4,069	4,089,284
Charter Communications Operating,		
LLC:		
New Term Loan, 2.30%,	27.4	052 125
3/06/14 Tarm Lean B1, 7,25%	274	253,135
Term Loan B1, 7.25%, 3/25/14	625	624,903
Term Loan C, 3.55%, 9/06/16	2,725	2,536,559
Ellis Communications KDOC, LLC,	2,123	2,330,339
Loan, 10.00%, 12/30/11	3,879	1,454,482
HMH Publishing Co., Ltd., Tranche	3,017	1,131,102
A Term Loan, 5.53%, 6/12/14	1,899	1,738,878
Hanley-Wood, LLC (FSC	1,077	1,700,070
Acquisition), Term Loan, 2.63% -		
2.75%, 3/10/14	978	537,625
Mediacom Illinois, LLC (FKA		
Mediacom Communications,		
LLC), Tranche D Term Loan,		
5.50%, 3/31/17	498	491,157
Newsday, LLC, Fixed Rate Term		
Loan, 10.50%, 8/01/13	3,250	3,412,500
Penton Media, Inc., Term Loan		
(First Lien), 5.00%, 8/01/14	728	526,167
Sinclair Television Group, Inc.,		
Tranche B Term Loan, 6.75%,	160	162.260
10/29/15 Synghina Apprintion Ltd (EVALUE)	462	462,260
Sunshine Acquisition Ltd. (FKA HIT		
Entertainment), Term Facility, 5.60%, 3/20/12	975	897,609
UPC Financing Partnership, Facility	913	697,009
Term Loan, 3.93%, 12/30/16	1,750	1,690,208
Weather Channel, Term Loan B,	1,730	1,090,200
5.00%, 9/14/15	1,230	1,226,680
Worldcolor Press Inc. and	1,200	
Worldcolor (USA) Corp. (FKA		
Quebecor World, Inc.), Advance,		
9.00%, 7/23/12	497	501,021
	703	682,031

Yell Group Plc TPI, Term Loan A, 2.48%, 8/09/11			
			21,124,499
Metals & Mining 1.5% Euramax International, Inc., Domestic Term Loan:			
10.00%, 6/29/13		858	800,899
14.00%, 6/29/13 (e)		879	820,470
Floating Rate Loan Interests (d)		Par (000)	Value
Metals & Mining (concluded)			
RathGibson, Inc., Loan (Debtor in Possession), 10.75%, 6/30/10	USD	1,796 \$	1,795,560
			3,416,929
Multi-Utilities 0.2% FirstLight Power Resources, Inc. (FKA NE Energy, Inc.):			
Synthetic Letter of Credit, 2.81%, 11/01/13		44	41,814
Term B Advance (First Lien),			
2.81%, 11/01/13		428	404,198
			446,012
Multiline Retail 0.6%			
Dollar General Corp., Tranche B-2 Term Loan, 3.09% - 3.10%,			
7/07/14 The Neiman Marcus Group, Inc.,		983	937,160
Term Loan, 2.25% - 2.28%, 4/06/13		535	487,965
		_	1,425,125
Oil, Gas & Consumable Fuels 1.5%			<u> </u>
Big West Oil, LLC:			
Delayed Draw Loan, 4.50%, 5/15/14		546	538,661
Initial Advance Loan, 4.50%, 5/15/14		434	428,480
Initial Advance Loan, 12.00%, 1/26/15		750	751,250
Tronox Worldwide LLC: Tranche B-1 Term Loan,			
9.00%, 6/24/10		750	752,344
Tranche B-2 Term Loan, 9.00%, 6/24/10		750	752,344
		_	3,223,079
Personal Products 0.3% American Safety Razor Co., LLC:			
· · · · · · · · · · · · · · · · · · ·		600	247,500

Loan (Second Lien), 10.50%, 1/30/14		
Term Loan (First Lien), 6.75%,		
7/31/13	361	328,196
		575,696
Pharmaceuticals 0.9%		
Warner Chilcott Co., LLC, Term		
Loan A, 5.50%, 10/30/14	681	679,699
Warner Chilcott Corp.:		
Additional Term Loan, 5.75%, 4/30/15	316	315,422
Term Loan B-1, 5.75%,	310	313,422
4/30/15	526	525,235
Term Loan B-2, 5.75%,		,
4/30/15	494	492,898
		_
		2,013,254

BLACKROCK SENIOR HIGH INCOME FUND, INC.

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MAY 31, 2010

Floating Rate Loan Interests (d)	Par (000)	Value		
Professional Services 0.4%				
Booz Allen Hamilton, Inc., Term				
Loan C, 6.00%, 7/31/15	USD 998	\$ 996,004		
Real Estate Management & Development 1.1%				
Realogy Corp., Synthetic Letter of	2.010	2.450.452		
Credit, 3.35%, 10/10/13	2,918	2,459,452		
Software 0.5%				
Reynolds & Reynolds, Term Loan,	254	250.046		
5.25%, 4/16/17 Telcordia Technologies, Inc., Term	354	350,946		
Loan B, 6.75%, 4/09/16	700	687,750		
		1 000 000		
		1,038,696		
Specialty Retail 0.7%				
Bass Pro Group LLC, Term Loan B,				
5.00% - 5.75%, 4/06/15	350	348,023		
Burlington Coat Factory Warehouse Corp., Term Loan,				
2.67%, 5/28/13	355	325,839		
Michaels Stores, Inc., Term Loan B-1:		,		
2.56% - 2.81%, 10/31/13	733	666,983		
4.81% - 5.06%, 7/31/16	298	283,082		
		1,623,927		
Textiles, Apparel & Luxury Goods 0.5%				
PVH/Hilfiger, US Term Loan B,				
4.75%, 4/19/16	1,000	999,531		
Wireless Telecommunication Services 1.2%				
Cavtel Holdings, LLC, Term Loan,				
10.50%, 12/31/12 (e)	400	369,028		
Digicel International Finance Ltd.,		1 550 101		
Tranche A, 2.81%, 3/30/12 MetroPCS Wireless, Inc., Tranche B	1,802	1,752,181		
Term Loan, 2.56% - 2.62%,				
11/03/13	497	476,282		
		2,597,491		
		2,371,471		
Total Floating Rate Loan				
Interests 56.0%		124,492,414		

Other Interests (h)	Beneficial Interest (000)
Auto Components 0.1% Intermet Liquidating Trust, Class A	320 79,1
Diversified Financial Services 0.4%  J.G. Wentworth LLC Preferred  Equity Interests (h)	(i) 951,2
Media 0.0% Adelphia Preferred Escrow	3  Beneficial Interest
Other Interests (j)	(000) Value
Media (concluded) Adelphia Recovery Trust	USD 250 \$
Total Other Interests 0.5%	1,030,4
Warrants (k)  Media 0.0%	Shares
Media 0.0% Charter Communications (Expires	
11/30/14)	6,862 29,1
Total Warrants 0.0%	29,1
Total Long-Term Investments (Cost \$294,216,198) 120.7%	268,280,8
Short-Term Securities	
TempFund, Institutional Class,	5,755,125 5,755,1
BlackRock Liquidity Funds, TempFund, Institutional Class, 0.16% (I)(m)  Total Short-Term Securities (Cost \$5,755,125) 2.6%	5,755,125 5,755,1 5,755,1

Liabilities in Excess of Other Assets	(23.3)%	 (51,800,449)
Net Assets 100.0%		\$ 222,235,570

\* The cost and unrealized appreciation (depreciation) of investments as of May 31, 2010, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	300,355,035
	•	5.504.045
Gross unrealized appreciation Gross unrealized depreciation	\$	7,584,847 (33,903,863)
oross ameanzed depreciation		(33,703,003)
Net unrealized depreciation	\$	(26,319,016)

- (a) Non-income producing security.
- (b) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (c) Issuer filed for bankruptcy and/or is in default of interest payments.
- (d) Variable rate security. Rate shown is as of report date.
- (e) Represents a payment-in-kind security which may pay interest/dividends in additional face/shares.
- (f) Convertible security.
- (g) Represents a step-down bond that pays an initial coupon rate for the first period and then a lower coupon rate for the following periods. Rate shown reflects the current yield as of report date.

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### BlackRock Senior High Income Fund, Inc. (ARK)

- (h) The investment is held by a wholly owned taxable subsidiary of the Fund.
- (i) Amount is less than \$1,000.
- (j) Other interests represent beneficial interest in liquidation trusts and other reorganization entities and are non-income producing.
- (k) Warrants entitle the Fund 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.
- (l) Represents the current yield as of report date.
- (m) Investments in companies considered to be an affiliate of the Fund, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares at February 28, 2010	Net Activity	Income		
BlackRock Liquidity Funds, TempFund, Institutional Class	1,938,484	3,816,641	5,755,125	\$	940

Foreign currency exchange contracts as of May 31, 2010 were as follows:

Currency Purchased	·		Counterparty	Settlement Date	Unrealized Appreciation		
USD	590,411	CAD	599,500	Citibank NA	7/28/10	\$ 20,861	

Credit default swaps on single-name issues buy protection outstanding as of May 31, 2010 were as follows:

Issuer	Pay Fixed Rate	Counterparty	Expiration	Notional Amount (000)	 realized oreciation
K. Hovnanian Enterprises, Inc.	5.00%	Goldman Sachs Bank USA	December 2011	USD 460	\$ 4,992
K. Hovnanian Enterprises, Inc.	5.00%	Goldman Sachs Bank USA	December 2012	USD 225	2,662
Boston Scientific Corp.	1.00%	Goldman Sachs Bank USA	December 2014	USD 500	16,994
Total					\$ 24,648

For Fund compliance purposes, the Fund s industry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine such industry sub-classifications for reporting ease.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

MAY 31, 2010

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#### BlackRock Senior High Income Fund, Inc. (ARK)

Fair Value Measurements - Various inputs are used in determining the fair value of investments, which are as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund s own assumptions used in determining the fair value of investments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund s policy regarding valuation of investments and other significant accounting policies, please refer to the Fund s most recent financial statements as contained in its annual report.

The following tables summarize the inputs used as of May 31, 2010 in determining the fair valuation of the Fund s investments:

Valuation Inputs	Level 1	Level 2	Level	13	Total
Assets:					
Investments in Securities:					
Long-Term Investments:					
Common Stocks	\$ 2,760,203	\$ 1,728,5	560 \$ 1,20	02,021 \$	5,690,784
Corporate Bonds		130,115,4	146 6,92	22,667	137,038,113
Floating Rate Loan Interests		107,107,1	100 17,3	85,316	124,492,416
Other Interests			1,0	30,417	1,030,417
Warrants	29,164				29,164
Short-Term Securities	5,755,125				5,755,125
Liabilities:					
Unfunded Loan Commitments			(	18,424)	(18,424)
Total	\$ 8,544,492	\$ 238,951,1	106 \$ 26,52	21,997 \$	274,017,595

#### Derivative Financial Instruments<sup>1</sup>

Valuation Inputs	Level 1	Level 2		Level 3	Total
Assets:					
Credit contracts		\$	24,648		\$ 24,648
Foreign currency					
exchange					
contracts			20,861		20,861
Total		\$	45,509		\$ 45,509

appreciation/depreciation on the instrument.

Derivative financial instruments are swaps, and foreign currency exchange contracts which are shown at the unrealized

BLACKROCK SENIOR HIGH INCOME FUND, INC.

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MAY 31, 2010

### BlackRock Senior High Income Fund, Inc. (ARK)

The following table is a reconciliation of Level 3 investments for which significant unobservable inputs were used in determining the fair value.

		ommon tocks	(	Corporate Bonds	loating Rate oan Interests	Other Interests		nfunded Loan nmitments	Total
Balance, as of February 28, 2010	\$	179,112	\$	8,012,790	\$ 17,012,972	\$ 1,066,529			\$ 26,271,403
Accrued discounts/premiums				19,891	14,306				34,197
Net realized gain (loss)					(156,102)	75,231			(80,871)
Net change in unrealized appreciation/depreciation <sup>2</sup>		178.467		(1,110,098)	1,134,688	(3,870)	\$	(18,424)	180,763
Purchases		170,107		(1)	2,585,181	(3,070)	Ψ	(10,121)	2,585,180
Sales				85	(5,345,210)	(107,473)			(5,452,598)
Transfers in <sup>3</sup>		960,092			7,882,709				8,842,801
Transfers out <sup>3</sup>	(	(115,650)			(5,743,228)				(5,858,878)
Balance, as of May 31, 2010	\$ 1,	,202,021	\$	6,922,667	\$ 17,385,316	\$ 1,030,417	\$	(18,424)	\$ 26,521,997

The change in unrealized appreciation/depreciation on securities still held at May 31, 2010 was \$(419,078).

The Fund s policy is to recognize transfers in and transfers out as of the end of the period of the event or the change in circumstances that caused the transfer.

#### Item 2 - Controls and Procedures

- 2(a) The registrant's principal executive and principal financial officers or persons performing similar functions have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act")) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13(a)-15(b) under the Securities Exchange Act of 1934, as amended.
- 2(b) There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant's last fiscal quarter that have materially affected, or are 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.

BlackRock Senior High Income Fund, Inc.

By: /s/ Anne F. Ackerley
Anne F. Ackerley
Chief Executive Officer of
BlackRock Senior High Income Fund, Inc.

Date: July 23, 2010

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/ Anne F. Ackerley
Anne F. Ackerley
Chief Executive Officer (principal executive officer) of
BlackRock Senior High Income Fund, Inc.

Date: July 23, 2010

By: /s/ Neal J. Andrews
Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock Senior High Income Fund, Inc.

Date: July 23, 2010