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SENIOR HIGH INCOME PORTFOLIO INC

Form N-CSR

May 10, 2007

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT
INVESTMENT COMPANIES

Investment Company Act file number 811-07456

Name of Fund: BlackRock Senior High Income Fund, Inc.

Fund Address: P.O. Box 9011
Princeton, NJ 08543-9011

Name and address of agent for service: Robert C. Doll, Jr., Chief Executive
Officer, BlackRock Senior High Income Fund, 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: 02/28/07

Date of reporting period: 03/01/06 - 02/28/07

Item 1 - Report to Stockholders

ALTERNATIVES BLACKROCK SOLUTIONS EQUITIES FIXED INCOME LIQUIDITY
REAL ESTATE

BlackRock Senior High Income
Fund, Inc.

ANNUAL REPORT FEBRUARY 28, 2007

(BLACKROCK logo)

NOT FDIC INSURED
MAY LOSE VALUE
NO BANK GUARANTEE

BlackRock Senior High Income Fund, Inc. seeks to provide shareholders with high current income by investing at least 80% of its net assets plus any borrowings for investment purposes in senior debt obligations, including corporate loans and both privately placed and publicly offered corporate bonds and notes. Senior debt obligations generally include debt obligations of a company that have a contractual right to repayment in the event of a default or bankruptcy of the company with priority over existing or future subordinated debt (if any), preferred stock or common stock of the same company. Senior debt ranks equally in right of payment to all other debt of

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the company other than debt that is contractually subordinated in right of payment to such senior debt. Senior debt in which the Fund invests may be secured by collateral or may be unsecured. Certain senior debt obligations may be effectively junior to other debt obligations of the company that are secured by collateral, as well as to any indebtedness of such company's subsidiaries or affiliates. The Fund invests primarily in debt obligations that are rated in the lower rating categories of the established rating services (Baa or lower by Moody's Investors Service, Inc. or BBB or lower by Standard & Poor's) or unrated debt obligations of comparable quality. The Fund will generally not invest in securities rated at the time of purchase, Caa/CCC or below by each of the major ratings agencies that rate the securities.

This report, including the financial information herein, is transmitted to shareholders of BlackRock Senior High Income Fund, Inc. for their information. It is not a prospectus. Past performance results shown in this report should not be considered a representation of future performance. The Fund leverages its Common Stock to provide Common Stock shareholders with a potentially higher rate of return. Leverage creates risk for Common Stock shareholders, including the likelihood of greater volatility of net asset value and market price of Common Stock shares, and the risk that fluctuations in short-term interest rates may reduce the Common Stock's yield. Statements and other information herein are as dated and are subject to change.

A description of the policies and procedures that the Fund uses to determine how to vote proxies relating to portfolio securities is available (1) without charge, upon request, by calling toll-free 1-800-441-7762; (2) at www.blackrock.com; and (3) on the Securities and Exchange Commission's Web site at <http://www.sec.gov>. Information about how the Fund voted proxies relating to securities held in the Fund's portfolio during the most recent 12-month period ended June 30 is available (1) at www.blackrock.com and (2) on the Securities and Exchange Commission's Web site at <http://www.sec.gov>.

BlackRock Senior High Income Fund, Inc.
P.O. Box 9011
Princeton, NJ 08543-9011

(GO PAPERLESS... logo)
It's Fast, Convenient, & Timely!

BlackRock Senior High Income Fund, Inc.

The Benefits and Risks of Leveraging

BlackRock Senior High Income Fund, Inc. (the "Fund") utilizes leveraging through borrowings or issuance of short-term debt securities or shares of Preferred Stock. The concept of leveraging is based on the premise that the cost of assets to be obtained from leverage will be based on short-term interest rates, which normally will be lower than the income earned by the Fund on its longer-term portfolio investments. To the extent that the total assets of the Fund (including the assets obtained from leverage) are invested in higher-yielding portfolio investments, the Fund's Common Stock shareholders will be the beneficiaries of the incremental yield.

Leverage creates risks for holders of Common Stock including the likelihood of greater net asset value and market price volatility. In addition, there is the risk that fluctuations in interest rates on borrowings (or in the dividend

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rates on any Preferred Stock, if the Fund were to issue the Preferred Stock) may reduce the Common Stock's yield and negatively impact its net asset value and market price. If the income derived from securities purchased with assets received from leverage exceeds the cost of leverage, the Fund's net income will be greater than if leverage had not been used. Conversely, if the income from the securities purchased is not sufficient to cover the cost of leverage, the Fund's net income will be less than if leverage had not been used, and therefore the amount available for distribution to Common Stock shareholders will be reduced.

Announcement of Annual Stockholders Meeting

The Fund has determined that its annual stockholders meeting originally scheduled to be held in April 2007 will be postponed and will be held in September 2007. Proposals of stockholders intended to be presented at the meeting must be received by the Fund by May 15, 2007 for inclusion in the Fund's proxy statement and form of proxy for that meeting. The persons named as proxies in the proxy materials for the Fund's 2007 annual meeting of stockholders may exercise discretionary authority with respect to any stockholder proposal presented at such meeting if written notice of such proposal has not been received by the Fund by July 1, 2007. Written proposals and notices should be sent to the Secretary of the Fund, 800 Scudders Mill Road, Plainsboro, New Jersey 08536.

Availability of Quarterly Schedule of Investments

The Fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission ("SEC") for the first and third quarters of each fiscal year on Form N-Q. The Fund's Forms N-Q are available on the SEC's Web site at <http://www.sec.gov>. The Fund's Forms N-Q may also be reviewed and copied at the SEC's Public Reference Room in Washington, DC. Information on the operation of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

Electronic Delivery

Electronic copies of most financial reports and prospectuses are available on the Fund's Web site. Shareholders can sign up for e-mail notifications of quarterly statements, annual and semi-annual reports and prospectuses by enrolling in the Fund's electronic delivery program.

To enroll:

Shareholders Who Hold Accounts with Investment Advisers, Banks or Brokerages:

Please contact your financial advisor. Please note that not all investment advisers, banks or brokerages may offer this service.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

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A Letter to Shareholders

Dear Shareholder

The new year began on a positive note for most financial markets, continuing the momentum from the fourth quarter of 2006. At the end of February, however, global equity markets registered their first significant decline since last summer. The market jitters were triggered by a significant setback in the Chinese market and were exacerbated by several concerns, notably a weakening economy, some disappointing corporate earnings announcements, geopolitical concerns related to Iran's nuclear program and increasing delinquencies in the subprime mortgage market. Despite the recent spate of volatility, underlying stock market fundamentals appear quite sound, supported by a generally good global economic backdrop, tame inflation, relatively low interest rates and attractive valuations.

Not unlike the equity market, the bond market also has seen volatility recently as observers have attempted to interpret mixed economic signals. A bond market rally late last year reversed early in 2007 as the economic data strengthened. Prices improved (and yields fell) again in February as equities struggled. Notably, the Treasury curve remained inverted for much of 2006 and into 2007. The 30-year Treasury yield stood at 4.68% on February 28, 2007, while the one-month Treasury offered the highest yield on the curve at 5.24%.

For its part, the Federal Reserve Board (the Fed) has left the target short-term interest rate on hold at 5.25% since first pausing on August 8, 2006. Although the central bankers continue to express concern about potential inflationary pressures, they also have made reference to signs of economic weakness in their public statements. Most observers expect the Fed to keep interest rates on hold for now, but acknowledge that the combination of a mild economic slowdown and moderating inflation could prompt an interest rate cut later in 2007.

Notwithstanding the volatility along the way, most major market indexes managed to post positive returns for the annual and semi-annual reporting periods ended February 28, 2007:

Total Returns as of February 28, 2007	6-month	12-month
U.S. equities (Standard & Poor's 500 Index)	+ 8.93%	+11.97%
Small cap U.S. equities (Russell 2000 Index)	+10.76	+ 9.87
International equities (MSCI Europe, Australasia, Far East Index)	+12.17	+21.07
Fixed income (Lehman Brothers Aggregate Bond Index)	+ 3.66	+ 5.54
Tax-exempt fixed income (Lehman Brothers Municipal Bond Index)	+ 2.89	+ 4.96
High yield bonds (Credit Suisse High Yield Index)	+ 8.62	+12.36

If the recent market movements are any guide, 2007 could be a year of enhanced market volatility. As you navigate the uncertainties of the financial markets, we encourage you to review your investment goals with your financial professional and to make portfolio changes, as needed. We thank you for trusting BlackRock with your investment assets, and we look forward to continuing to serve you in the months and years ahead.

Sincerely,

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(Robert C. Doll, Jr.)
Robert C. Doll, Jr.
Fund President and Director

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

A Discussion With Your Fund's Portfolio Managers

The Fund considerably outperformed its benchmark return for the annual period, benefiting primarily from its use of leverage.

How did the Fund perform during the fiscal year in light of the existing market conditions?

For the 12-month period ended February 28, 2007, the Common Stock of BlackRock Senior High Income Fund, Inc. had net annualized yields of 9.14% and 8.64%, based on a year-end per share net asset value of \$6.17 and a per share market price of \$6.53, respectively, and \$0.564 per share income dividends. Over the same period, the total investment return on the Fund's Common Stock was +12.82%, based on a change in per share net asset value from \$6.00 to \$6.17, and assuming reinvestment of all distributions. The Fund's total return for the period outpaced the +9.95% return of its benchmark, which is an equal blend of the Credit Suisse High Yield Index and the Credit Suisse Leveraged Loan Index.

For the six-month period ended February 28, 2007, the total investment return on the Fund's Common Stock was +7.67%, based on a change in per share net asset value from \$6.00 to \$6.17, and assuming reinvestment of all distributions. The blended benchmark returned +6.39% for the six-month period.

For a description of the Fund's total investment return based on a change in the per share market value of the Fund's Common Stock (as measured by the trading price of the Fund's shares on the New York Stock Exchange), and assuming reinvestment of distributions, please refer to the Financial Highlights section of this report. As a closed-end fund, the Fund's shares may trade in the secondary market at a premium or discount to the Fund's net asset value. As a result, total investment returns based on changes in the market value of the Fund's Common Stock can vary significantly from total investment returns based on changes in the Fund's net asset value.

The leveraged loan market, as measured by the Credit Suisse Leveraged Loan Index, returned +7.57% for the annual period, while the high yield bond market, as measured by the Credit Suisse High Yield Index, returned +12.36%. Despite some volatility late in the reporting period, the non-investment grade markets continued to post strong results. The leveraged loan market posted positive returns in all of the past 12 months, while the high yield market saw positive returns in 11 of the past 12 months. The markets have been aided by the continuation of historically low default rates and strong inflows into the asset classes, both of which have helped to support the prices of the underlying issues.

Support for the leveraged loan market also came from soaring investor demand, which pushed spreads to new lows. The primary driver of this demand is collateralized loan obligations (CLOs), which now account for approximately two-thirds of the leveraged loan market. The cost of funding for these CLOs

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has dropped dramatically over the past few years, enabling the structured finance vehicles to absorb bank loans at increasingly tighter spreads and still achieve their targeted equity returns. The fact that default rates are at historic lows also has assisted this trend. To supply the CLO juggernaut, the demand for bank loans has been so voracious that we've actually seen bond deals migrate to the loan market, a reversal of historic flows that typically saw deals move from loans into bonds. This trend has marginally curtailed the supply of high yield bonds, keeping spreads there tighter than they otherwise would be.

What factors most influenced Fund performance?

The Fund benefited from its overweight exposure to floating rate high yield bonds and bank loans as opposed to fixed rate high yield issues, in light of the inverted yield curve. The Fund continued to make extensive use of its leverage line, with an average level of about 30% of total assets. This was the primary driver of the Fund's outperformance relative to its benchmark. (For a complete explanation of the benefits and risks of leveraging, refer to page 2 of this report to shareholders.)

What changes were made to the Fund during the period?

During the period, BlackRock, Inc. and Merrill Lynch & Co., Inc. ("Merrill Lynch") combined Merrill Lynch's investment management business, Merrill Lynch Investment Managers, L.P. and its affiliates, including Fund Asset Management, L.P., with BlackRock, Inc. to form a new independent company. While this resulted in some additions to the portfolio management team, there was no change in the overall investment philosophy or focus of the Fund.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

How would you characterize the Fund's position at the close of the period?

While volatility picked up at the end of the period, resulting in an investor flight to quality, fundamental and technical valuations remained favorable for the leveraged loan and high yield markets. Even with the noise at the end of the reporting period, the leveraged loan market posted a return of +.74% in February, while the high yield market posted a return of better than +1%. This marked the seventh month out of eight in which the Credit Suisse High Yield Index posted monthly returns in excess of 1% and the eighth consecutive month that the Credit Suisse Leveraged Loan Index posted returns of at least +.50%. Market fundamentals remain very strong, with default rates near historical lows and a new-issue calendar that is just beginning to satisfy the non-investment grade investor.

By and large, borrowers continue to have access to strong liquidity, another force keeping default rates low. Moreover, earnings are expected to grow strongly over the near-term. In our view, with such conditions in place for the bank loan market, investors appear encouraged and ready to support new deals and further spread tightening in the sector.

Kevin J. Booth
Vice President and Portfolio Manager

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Mark J. Williams
Portfolio Manager

April 3, 2007

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Portfolio Information

As of February 28, 2007

Ten Largest Holdings	Percent of Net Assets
Charter Communications, Inc. Term Loan B, 7.985% due 4/28/2013	2.3%
Wellman, Inc. First Lien Term Loan, 9.36% due 2/10/2009	2.3
Waste Services, Inc. Term Loan D, 8.06% - 8.07% due 3/31/2011	2.2
Bowater, Inc., 8.355% due 3/15/2010	2.2
Frontier Drilling Term Loan B, 8.62% - 8.68% due 6/21/2013	1.7
CCM Merger, Inc. 8% due 8/01/2013	1.7
Omnova Solutions, Inc., 11.25% due 6/01/2010	1.6
NewPage Corp., 11.61% due 5/01/2012	1.6
Rainbow National Services LLC, 8.75% due 9/01/2012	1.6
Vought Aircraft Industries, Inc., 8% due 7/15/2011	1.5

Five Largest Industries	Percent of Net Assets
Cable--U.S.	14.9%
Chemicals	13.1
Paper	10.0
Automotive	9.8
Information Technology	8.0

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 ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease.

Quality Ratings by S&P/Moody's	Percent of Total Investments

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BBB/Baa	0.1%
BB/Ba	19.4
B/B	68.2
CCC/Caa	6.2
CC/Ca	0.6
NR (Not Rated)	4.3
Other*	1.2

* Includes portfolio holdings in common stocks, warrants, other interests and short-term investments.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Schedule of Investments as of February 28, 2007

(in U.S. dollars)

Face Amount	Corporate Bonds	Value
Aerospace & Defense--1.7%		
\$ 190,000	Argo-Tech Corp., 9.25% due 6/01/2011	\$ 206,150
200,000	TransDigm, Inc., 7.75% due 7/15/2014 (i)	205,500
5,510,000	Vought Aircraft Industries, Inc., 8% due 7/15/2011	5,372,250

		5,783,900
Automotive--4.2%		
345,000	Delco Remy International, Inc., 9.36% due 4/15/2009 (f)	335,512
	Ford Motor Credit Co.:	
680,000	5.80% due 1/12/2009	667,925
2,240,000	8.11% due 1/13/2012 (f)	2,252,087
250,000	9.81% due 4/15/2012 (f)	270,368
	The Goodyear Tire & Rubber Co. (i):	
5,070,000	9.14% due 12/01/2009 (f)	5,120,700
910,000	8.625% due 12/01/2011	966,875
2,220,000	Lear Corp., 8.75% due 12/01/2016	2,139,525
1,175,000	Metaldyne Corp., 11% due 6/15/2012	1,098,625
770,000	Titan International, Inc., 8% due 1/15/2012 (i)	785,400
990,000	United Auto Group, Inc., 7.75% due 12/15/2016 (i)	1,007,325
	Venture Holdings Co. LLC:	
700,000	12% due 6/01/2009 (c)	0
3,325,000	Series B, 9.50% due 7/01/2005 (b)	8,313

		14,652,655
Broadcasting--0.5%		
500,000	LIN Television Corp. Series B, 6.50% due 5/15/2013	487,500
1,325,000	Paxson Communications Corp., 8.61% due 1/15/2012 (f) (i)	1,348,188

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1,835,688

Cable--International--0.1%

350,000 NTL Cable Plc, 8.75% due 4/15/2014 364,875

Cable--U.S.--7.9%

3,175,000 Cablevision Systems Corp. Series B, 9.87%
due 4/01/2009 (f) 3,381,375
Charter Communications Holdings LLC:
1,750,000 10% due 4/01/2009 1,750,000
1,000,000 11.75% due 1/15/2010 1,000,000
2,000,000 11.125% due 1/15/2011 1,970,000
1,000,000 10% due 5/15/2011 985,000
Intelsat Bermuda Ltd. (f) (i):
275,000 11.354% due 6/15/2013 294,937
2,240,000 8.872% due 1/15/2015 2,293,200
Intelsat Subsidiary Holding Co. Ltd.:
1,675,000 8.25% due 1/15/2013 1,746,187
2,400,000 8.625% due 1/15/2015 2,580,000
1,875,000 Mediacom LLC, 9.50% due 1/15/2013 1,926,562
3,410,000 PanAmSat Corp., 9% due 6/15/2016 (i) 3,742,475
5,250,000 Rainbow National Services LLC, 8.75%
due 9/01/2012 (i) 5,578,125

27,247,861

Chemicals--8.5%

610,000 American Pacific Corp., 9% due 2/01/2015 (i) 615,337
1,350,000 ArCo Chemical Co., 9.80% due 2/01/2020 1,582,875
2,250,000 Compass Minerals International, Inc. Series B,
12% due 6/01/2013 (j) 2,182,500

Face
Amount Corporate Bonds Value

Chemicals (concluded)

\$ 4,382,000 GEO Specialty Chemicals, Inc., 13.86%
due 12/31/2009 (h) \$ 3,615,150
Lyondell Chemical Co.:
1,650,000 11.125% due 7/15/2012 1,765,500
3,950,000 8% due 9/15/2014 4,157,375
830,000 8.25% due 9/15/2016 892,250
1,200,000 Millennium America, Inc., 7.625%
due 11/15/2026 1,176,000
430,000 Momentive Performance Materials, Inc., 10.125%
due 12/01/2014 (i) (m) 452,575
4,690,000 NOVA Chemicals Corp., 8.502%
due 11/15/2013 (f) 4,690,000
5,350,000 Omnova Solutions, Inc., 11.25% due 6/01/2010 5,717,813
1,000,000 PolyOne Corp., 6.89% due 9/22/2008 962,500
1,322,000 Rockwood Specialties Group, Inc., 10.625%
due 5/15/2011 1,394,710
395,000 Terra Capital, Inc., 7% due 2/01/2017 (i) 393,025

29,597,610

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Consumer--Durables--1.3%

4,450,000	Simmons Bedding Co., 7.875% due 1/15/2014	4,561,250
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Consumer--Non-Durables--3.3%

4,725,000	Hines Nurseries, Inc., 10.25% due 10/01/2011	3,969,000
2,000,000	Levi Strauss & Co., 10.11% due 4/01/2012 (f)	2,042,500
2,125,000	North Atlantic Trading Co., 9.25% due 3/01/2012	1,939,063
3,525,000	Quiksilver, Inc., 6.875% due 4/15/2015	3,436,875

		11,387,438

Diversified Media--1.9%

Affinion Group, Inc.:		
120,000	10.125% due 10/15/2013	129,600
300,000	11.50% due 10/15/2015	325,500
1,960,000	Idearc Inc., 8% due 11/15/2016 (i)	2,013,900
245,000	Network Communications, Inc., 10.75% due 12/01/2013	252,962
1,350,000	Nielsen Finance LLC, 10% due 8/01/2014 (i)	1,474,875
2,450,000	Universal City Florida Holding Co. I, 10.11% due 5/01/2010 (f)	2,535,750

		6,732,587

Energy--Exploration & Production--2.0%

200,000	Berry Petroleum Co., 8.25% due 11/01/2016	199,500
1,500,000	Chaparral Energy, Inc., 8.50% due 12/01/2015	1,496,250
1,580,000	Compton Petroleum Finance Corp., 7.625% due 12/01/2013	1,548,400
2,985,000	Sabine Pass LNG LP, 7.50% due 11/30/2016 (i)	2,985,000
540,000	Stone Energy Corp., 8.11% due 7/15/2010 (f) (i)	540,675

		6,769,825

Energy--Other--3.0%

1,295,000	Aleris International, Inc., 9% due 12/15/2014 (i) (m)	1,372,700
974,000	Dresser-Rand Group, Inc., 7.375% due 11/01/2014	988,610
5,000,000	Ocean RIG ASA, 9.36% due 4/04/2011 (f)	5,000,000
3,025,000	SemGroup LP, 8.75% due 11/15/2015 (i)	3,070,375

		10,431,685

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Schedule of Investments (continued)

(in U.S. dollars)

	Face Amount Corporate Bonds	
		Value
Financial--2.5%		

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\$ 3,000,000	American Real Estate Partners LP, 7.125% due 2/15/2013 (i)	\$ 2,955,000
4,000,000	Highland Legacy Ltd. CLO, 11.621% due 6/01/2011 (f) (i)	4,016,000
500,000	Investcorp SA, 7.54% due 10/21/2008	507,402
225,000	NCO Group, Inc., 10.23% due 11/15/2013 (f) (i)	226,125
1,000,000	Pennant CBO Ltd., 13.43% due 3/14/2011 (i)	940,000

		8,644,527
Gaming--4.1%		
5,925,000	CCM Merger, Inc., 8% due 8/01/2013 (i)	5,925,000
1,025,000	Galaxy Entertainment Finance Co. Ltd. (i): 10.354% due 12/15/2010 (f)	1,086,500
550,000	9.875% due 12/15/2012	600,187
1,210,000	Little Traverse Bay Bands of Odawa Indians, 10.25% due 2/15/2014 (i)	1,246,300
300,000	Penn National Gaming, Inc., 6.75% due 3/01/2015	288,750
	Snoqualmie Entertainment Authority (i):	
500,000	9.15% due 2/01/2014 (f)	507,500
240,000	9.125% due 2/01/2015	247,800
1,000,000	Station Casinos, Inc., 7.75% due 8/15/2016	1,027,500
1,750,000	Tropicana Entertainment, 9.625% due 12/15/2014 (i)	1,760,938
1,500,000	Tunica-Biloxi Gaming Authority, 9% due 11/15/2015 (i)	1,593,750

		14,284,225
Health Care--3.7%		
2,690,000	Angiotech Pharmaceuticals, Inc., 9.11% due 12/01/2013 (f) (i)	2,777,425
1,875,000	CDRV Investors, Inc., 9.75% due 1/01/2015 (j)	1,504,687
1,000,000	The Cooper Cos., Inc., 7.125% due 2/15/2015 (i)	1,010,000
	Elan Finance Plc:	
1,650,000	7.75% due 11/15/2011	1,625,250
2,325,000	9.36% due 11/15/2011 (f)	2,365,687
3,000,000	Tenet Healthcare Corp., 7.375% due 2/01/2013	2,805,000
700,000	VWR International, Inc., 8% due 4/15/2014	710,500

		12,798,549
Housing--4.1%		
500,000	CPG International I, Inc., 10.50% due 7/01/2013	523,750
1,540,000	Esco Corp., 9.23% due 12/15/2013 (f) (i)	1,601,600
	Goodman Global Holding Co., Inc.:	
1,831,000	8.36% due 6/15/2012 (f)	1,853,887
4,750,000	7.875% due 12/15/2012	4,845,000
2,825,000	Masonite Corp., 11% due 4/06/2015 (i)	2,817,937
2,500,000	Technical Olympic USA, Inc., 8.25% due 4/01/2011 (i)	2,425,000

		14,067,174
Information Technology--4.7%		
3,800,000	Ankor Technology, Inc., 9.25% due 2/15/2008	3,876,000

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Paper--10.0%

3,275,000	Abitibi-Consolidated, Inc., 8.855% due 6/15/2011 (f)	3,291,375
4,975,000	Ainsworth Lumber Co. Ltd. (f): 9.11% due 10/01/2010	4,203,875
2,500,000	9.364% due 4/01/2013	1,950,000
1,100,000	Boise Cascade LLC: 8.235% due 10/15/2012 (f)	1,100,000
350,000	7.125% due 10/15/2014	343,000
7,475,000	Bowater, Inc., 8.355% due 3/15/2010 (f)	7,549,816
1,775,000	Domtar, Inc., 7.125% due 8/15/2015	1,781,656
215,000	Graphic Packaging International Corp., 9.50% due 8/15/2013	229,244
5,175,000	NewPage Corp., 11.61% due 5/01/2012 (f)	5,640,750
5,150,000	Smurfit Kappa Funding Plc, 7.75% due 4/01/2015	5,201,500
800,000	Smurfit-Stone Container Enterprises, Inc., 8.375% due 7/01/2012	816,000
2,300,000	Verso Paper Holdings LLC (i): 9.11% due 8/01/2014 (f)	2,369,000
250,000	11.375% due 8/01/2016	268,750

		34,744,966

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Schedule of Investments (continued)

(in U.S. dollars)

Face Amount	Corporate Bonds	Value
Retail--1.8%		
\$ 1,780,000	Michaels Stores, Inc., 10% due 11/01/2014 (i)	\$ 1,904,600
	Neiman Marcus Group, Inc.:	
1,800,000	9% due 10/15/2015 (m)	1,980,000
2,000,000	10.375% due 10/15/2015	2,240,000

		6,124,600
Service--1.6%		
2,700,000	Ahern Rentals, Inc., 9.25% due 8/15/2013	2,828,250
2,000,000	Neff Rental LLC, 11.25% due 6/15/2012	2,225,000
550,000	PNA Intermediate Holding Corp., 12.36% due 2/15/2013 (f) (i)	552,751
60,000	Seitel Acquisition Corp., 9.75% due 2/15/2014 (i)	60,900

		5,666,901
Telecommunications--2.8%		
1,045,000	Cincinnati Bell, Inc., 7.25% due 7/15/2013	1,084,187
1,200,000	Nordic Telephone Co. Holdings ApS, 8.875% due 5/01/2016 (i)	1,293,000

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4,000,000	Qwest Communications International, Inc., 8.86% due 2/15/2009 (f)	4,040,000
1,025,000	Qwest Corp., 8.605% due 6/15/2013 (f)	1,118,531
2,000,000	Time Warner Telecom Holdings, Inc., 9.25% due 2/15/2014	2,145,000

		9,680,718
Transportation--0.3%		
1,000,000	Navios Maritime Holdings, Inc., 9.50% due 12/15/2014 (i)	1,027,500
Utility--1.0%		
450,000	Conexant Systems, Inc., 9.11% due 11/15/2010 (f) (i)	463,500
2,000,000	El Paso Performance-Linked Trust, 7.75% due 7/15/2011 (i)	2,125,000
210,000	Reliant Energy, Inc., 9.50% due 7/15/2013	227,588
725,000	Williams Cos., Inc., 8.625% due 6/01/2010	765,781

		3,581,869
Wireless Communications--0.5%		
310,000	Orascom Telecom Finance SCA, 7.875% due 2/08/2014	308,450
1,500,000	Rural Cellular Corp., 8.25% due 3/15/2012	1,556,250

		1,864,700
	Total Corporate Bonds (Cost--\$281,030,828)--80.9%	281,000,753
Floating Rate Loan Interests (1)		
Aerospace & Defense--1.5%		
250,000	IAP Worldwide Services Inc. Term Loan, 9.688% due 12/31/2012	250,469
500,000	MRO Acquisitions Corp. First Lien Term Loan, 7.86% due 8/27/2010	504,688
4,328,704	Standard Aero Holdings Inc. Term Loan, 7.57% - 7.61% due 8/24/2012	4,347,642

		5,102,799
Airlines--0.1%		
500,000	Delta Air Lines Debtor in Possession Term Loan B, 10.098% due 3/16/2008	502,292
Face Amount	Floating Rate Loan Interests (1)	Value
Automotive--5.6%		

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	Internet Corp.:	
\$ 648,148	Letter of Credit, 10.20% due 11/08/2010	\$ 541,204
1,851,852	Term Loan D, 10.353% due 11/08/2010	1,546,296
1,990,000	JL French Corp. First Lien Term Loan B, 8.375% due 6/05/2011	1,939,006
1,500,000	Keystone Automotive Operations Inc. Term Loan, 8.82% due 1/15/2012	1,511,250
	Metaldyne Corp.:	
57,692	Letter of Credit, 8.92% - 9.125% due 1/15/2012	58,317
418,269	Term Loan B, 9.125% due 1/15/2014	422,800
	Navistar International Transportation Corp.:	
1,066,667	Revolving Credit, 5.22% - 8.61% due 6/30/2012	1,084,267
2,933,333	Term Loan B, 8.61% due 6/30/2012	2,981,733
2,000,000	OshKosh Truck Corp. Term Loan B, 7.35% due 11/30/2013	2,015,714
	Tenneco Automotive, Inc.:	
1,092,618	Term Loan B, 7.31% due 12/12/2010	1,096,442
479,968	Tranche B-1, 7.322% due 12/12/2010	481,648
1,075,227	United Components, Inc. Term Loan D, 7.61% due 6/30/2012	1,080,603
4,750,000	Visteon Corp. Term Loan, 8.38% due 6/13/2013	4,795,125

		19,554,405
Broadcasting--1.1%		
4,000,000	Ellis Communications Term Loan, 10% due 12/30/2011	3,990,000
Cable--U.S.--7.0%		
	Cequel Communications:	
2,155,172	First Lien Term Loan, 7.61% due 11/05/2013	2,175,713
4,279,840	Second Lien Term Loan, 11.36% due 5/04/2014	4,384,161
8,000,000	Charter Communications, Inc. Term Loan, 7.985% due 4/28/2013	8,051,504
5,000,000	Insight Midwest Holdings LLC Delay Draw Term Loan B, 7.36% due 4/03/2014	5,046,250
1,997,647	Mediacom Communications Term Loan D1, 6.87% - 7.27% due 1/31/2015	1,998,896
2,567,500	Mediacom LLC Tranche C Term Loan, 6.87% - 7.12% due 1/31/2015	2,571,626

		24,228,150
Chemicals--4.6%		
2,659,499	CII Carbon LLC Term Loan B, 7.375% due 8/23/2012	2,672,797
2,400,461	Celanese Holdings LLC Term Loan B, 7.37% due 4/06/2011	2,417,120
1,194,012	Huntsman ICI Holdings Term Loan B, 7.07% due 8/16/2012	1,200,579
1,568,000	Rockwood Specialties Group, Inc. Tranche E Term Loan, 7.36% due 12/10/2012	1,580,348
8,000,000	Wellman, Inc. First Lien Term Loan, 9.36% due 2/10/2009	8,016,664

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15,887,508

Consumer--Non-Durables--0.8%

1,193,749	Culligan International Co. Term Loan, 7.07% due 9/30/2011	1,195,241
1,455,000	Solo Cup Co. Term Loan, 8.82% due 2/27/2011	1,476,371

		2,671,612

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Schedule of Investments (continued)

(in U.S. dollars)

Face Amount	Floating Rate Loan Interests (1)	Value
Diversified Media--2.9%		
\$ 2,000,000	Affinion Group Inc. Term Loan, 11.66% due 3/01/2012	\$ 1,978,334
3,000,000	Idearc Inc. Term Loan B, 7.33% due 11/15/2014	3,024,375
3,491,250	Nielsen Finance LLC Term Loan, 8.125% due 8/15/2013	3,522,706
750,000	Penton Media Term Loan, 7.625% due 2/15/2013	756,875
870,000	Riverdeep Group Ltd. Bridge Loan, 11.066% due 12/21/2007	867,825

		10,150,115

Energy--Exploration & Production--1.9%

6,000,000	Frontier Drilling Term Loan, 8.62% - 8.68% due 6/21/2013	6,000,000
496,250	MEG Energy Corp. Term Loan, 7.375% due 4/03/2013	499,429

		6,499,429

Energy--Other--2.3%

Alon USA, Inc.:		
331,667	Term Loan, 7.57% due 6/22/2013	333,532
2,653,333	Term Loan B, 7.57% - 7.931% due 6/22/2013	2,668,258
330,000	Exco Resources, Inc. Term Loan, 11.375% -11.438% due 10/31/2011	332,888
2,475,000	Key Energy Services, Inc. Term Loan C, 7.86% -7.864% due 6/30/2012	2,490,469
2,000,000	Scorpion Drilling Ltd. Second Lien Term Loan, 13.61% due 5/05/2015	2,060,000

		7,885,147

Financial--1.2%

4,250,000	JG Wentworth Manufacturing Term Loan, 8.867%
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	due 4/12/2011	4,292,500
Food & Tobacco--5.0%		
	Aramark Corp.:	
329,207	Letter of Credit, 7.445% due 1/30/2014	332,458
4,670,793	Term Loan B, 7.47% due 1/30/2014	4,716,916
750,000	Bolthouse Farms, Inc. Second Lien Term Loan, 10.864% due 2/16/2013	758,125
1,843,049	Commonwealth Brands Inc. Term Loan, 7.625% due 12/22/2012	1,849,960
	Dole Food Co., Inc.:	
558,777	Letter of Credit, 5.23% due 4/12/2013	559,056
1,247,818	Tranche B Term Loan, 7.438% - 9.25% due 4/12/2013	1,248,442
4,159,394	Tranche C Term Loan, 7.438% - 9.25% due 4/04/2013	4,161,473
997,494	Eight O'Clock Coffee Term Loan, 8.125% due 7/21/2012	997,494
1,414,315	Pierre Foods, Inc. Term Loan B, 9.50% due 6/30/2010	1,421,386
995,000	Quiznos LLC First Lien Term Loan, 7.63% due 5/05/2013	999,000
250,000	Sturm Foods Inc. Term Loan, 7.875% due 1/30/2014	250,938

		17,295,248
Gaming--1.5%		
1,500,000	Edge-Star Partners LLC First Lien Term Loan, 9.36% due 11/18/2007	1,500,000
750,000	Greenwood Racing, Inc. Term Loan, 7.57% due 11/28/2011	755,625
Face		
Amount	Floating Rate Loan Interests (1)	Value
Gaming (concluded)		
\$ 3,000,000	Venetian Macau U.S. Finance Co. LLC Term Loan B, 8.12% due 5/25/2013	\$ 3,030,375

		5,286,000
Health Care--2.0%		
498,750	Community Health Systems, Inc. Term Loan, 7.11% due 12/15/2013	501,166
1,107,600	DaVita, Inc. Term Loan, 6.82% due 7/30/2012	1,113,415
2,000,000	Health Management Associates, Inc. Term Loan B, 7.07% due 1/15/2014	2,014,376
498,750	Sterigenics International, Inc. Term Loan, 7.86% due 11/30/2013	499,685
2,959,463	VWR International, Inc. Term Loan B, 7.61% due 4/07/2011	2,979,809

		7,108,451
Housing--2.6%		

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1,476,562	Headwaters, Inc. First Lien Term Loan B-1, 7.32% due 4/30/2011	1,479,331
5,000,000	LNR Property Corp. Term Loan B, 8.11% due 7/12/2011	5,029,465
2,500,000	Ply Gem Industries, Inc. First Lien Term Loan, 11.12% due 10/31/2011	2,528,125

		9,036,921
Information Technology--3.3%		
1,638,379	Activant Solutions Term Loan, 7.375% due 5/02/2013	1,639,403
1,000,000	ClientLogic Holding Corp. Term Loan, 7.82% - 7.86% due 1/30/2014	1,005,417
1,995,000	Dealer Comp Services Term Loan, 7.845% due 10/31/2012	2,013,526
500,000	Intergraph Corp. Term Loan, 7.87% due 5/15/2014	503,438
	RedPrairie Corp. Term Loan:	
699,248	8.375% - 10.25% due 7/31/2012	699,248
300,000	8.375% due 1/31/2013	303,000
3,000,000	Sanmina-SCI Corp. Term Loan, 7.875% due 1/30/2008	3,012,000
500,000	SunGard Data Systems, Inc. Term Loan B, 7.36% due 2/28/2014	504,727
1,657,969	Telcordia Technologies, Inc. Term Loan, 8.12% due 9/15/2012	1,637,763

		11,318,522
Leisure--1.3%		
2,985,000	Cedar Fair LP Term Loan, 7.32% due 8/30/2012	3,013,358
1,500,000	National Cinemedia LLC Term Loan B, 7.09% due 2/28/2015	1,511,250

		4,524,608
Manufacturing--2.7%		
500,000	Brand Energy Letter of Credit, 7.705% due 2/15/2014	503,125
1,000,000	Harrington Holdings, Inc. Term Loan, 7.82% due 1/15/2014	1,007,500
	Invensys Plc:	
1,529,412	Term Loan, 7.446% due 12/15/2010	1,538,971
1,720,588	Term Loan, 7.36% due 1/15/2011	1,731,342
1,240,272	John Maneely Co. Term Loan B, 8.595% - 10.50% due 12/15/2013	1,253,967
BLACKROCK SENIOR HIGH INCOME FUND, INC.		FEBRUARY 28, 2007

Schedule of Investments (continued)

(in U.S. dollars)

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Face Amount	Floating Rate Loan Interests (1)	Value
Manufacturing (concluded)		
\$ 3,393,589	Metokote Corp. First Lien Term Loan, 8.32% - 8.74% due 11/27/2011	\$ 3,385,105
		9,420,010
Metal--Other--1.4%		
	Euramax International Plc:	
1,700,843	First Lien International Term Loan B, 7.875% due 6/29/2012	1,705,946
3,000,000	Second Lien Term Loan, 12.36% due 6/29/2013	3,011,250
		4,717,196
Packaging--1.1%		
1,822,907	Anchor Glass Container Corp. Term Loan B, 7.61% - 7.614% due 5/03/2013	1,818,350
2,000,000	Graham Packaging Co. LP Tranche B Term Loan, 9.625% due 4/07/2012	2,018,000
		3,836,350
Retail--0.3%		
500,000	Burlington Coat Factory Warehouse Corp. Term Loan, 7.61% due 4/15/2013	500,209
174,601	General Nutrition Centers, Inc. Tranche B Term Loan, 8.07% due 12/05/2009	175,255
500,000	Petco Animal Supplies, Inc. Term Loan, 8.10% due 10/31/2012	505,521
		1,180,985
Service--4.0%		
382,057	Allied Waste North America, Inc.: Credit Linked Deposit, 5.322% due 1/15/2012	384,604
860,451	Term Loan, 7.12% - 7.21% due 1/15/2012	865,758
800,000	Brickman Group, Inc. Term Loan, 7.36% - 7.399% due 1/23/2014	803,500
1,000,000	Brock Holdings Term Loan, 7.32% due 2/28/2014	1,009,688
2,000,000	NES Rentals Holdings, Inc. Term Loan C, 12.125% due 7/20/2013	2,012,500
	United Rentals, Inc.:	
734,224	Term Loan, 7.32% due 2/14/2011	742,025
333,333	Tranche B Credit Linked Deposit, 5.322% due 2/14/2011	336,875
7,549,200	Waste Services, Inc. Term Loan D, 8.06% - 8.07% due 3/31/2011	7,634,129
		13,789,079
Steel--0.1%		

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500,000	McJunkin Corp. Term Loan B, 7.595% due 1/30/2014	505,000
Telecommunications--0.7%		
1,702,542	Winstar Communications Debtor In Possession, 6.366% due 12/31/2006 (b)	2,289,919
Utility--0.6%		
1,500,000	Calpine Corp. Second Priority Debtor in Possession Term Loan, 9.364% due 12/20/2007	1,512,500
742,500	Generac Portable Products, Inc. Term Loan, 7.86% due 11/15/2013	743,892

		2,256,392
Wireless Communications--1.4%		
2,750,000	Centennial Cellular Operating Co. Term Loan, 7.36% - 7.614% due 2/09/2011	2,774,063
Face Amount	Floating Rate Loan Interests (l)	Value
Wireless Communications (concluded)		
\$ 2,000,000	West Corp. Term Loan, 7.763% - 8.11% due 10/31/2013	\$ 2,016,388

		4,790,451
	Total Floating Rate Loan Interests (Cost--\$195,125,425)--57.0%	198,119,089
Shares Held	Common Stocks	
Chemicals--0.0%		
142,466	GEO Specialty Chemicals, Inc. (e)	142,466
Leisure--0.2%		
41,866	Lodgian, Inc. (e)	560,167
	Total Common Stocks (Cost--\$2,818,936)--0.2%	702,633
	Warrants (g)	
Paper--0.0%		
3,500	MDP Acquisitions Plc (expires 10/01/2013)	70,000
Wireless Communications--0.1%		

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600	American Tower Corp. (expires 8/01/2008)	326,274
	Total Warrants (Cost--\$39,036)--0.1%	396,274
Beneficial Interest	Other Interests (d)	
Automotive--0.0%		
\$ 4,130,972	Cambridge Industries, Inc. (Litigation Trust Certificates)	0
Cable--U.S.--0.0%		
250,000	Adelphia C.V.U. Series ACC-6B	0
Health Care--0.0%		
10,284	MEDIQ Inc. (Preferred Stock Escrow due 2/01/2006)	0
	Total Other Interests (Cost--\$25)--0.0%	0
Short-Term Securities		
\$ 4,850,625	BlackRock Liquidity Series, LLC Cash Sweep Series, 5.33% (a) (k)	4,850,625
	Total Short-Term Securities (Cost--\$4,850,625)--1.4%	4,850,625
Total Investments (Cost--\$483,864,875*)--139.6%		485,069,374
Liabilities in Excess of Other Assets--(39.6%)		(137,620,337)
Net Assets--100.0%		<u>\$ 347,449,037</u>

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Schedule of Investments (concluded)

(in U.S. dollars)

* The cost and unrealized appreciation (depreciation) of investments as of February 28, 2007, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 483,590,985
	=====
Gross unrealized appreciation	\$ 12,795,332
Gross unrealized depreciation	(11,316,943)

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Net unrealized appreciation	-----	
	\$	1,478,389
	=====	

- (a) Represents the current yield as of February 28, 2007.
- (b) As a result of bankruptcy proceedings, the company did not repay the principal amount of the security upon maturity and is non-income producing.
- (c) Non-income producing security; issuer filed for bankruptcy or is in default of interest payments.
- (d) Other interests represent beneficial interest in liquidation trusts and other reorganization entities and are non-income producing.
- (e) Non-income producing security.
- (f) Floating rate security.
- (g) 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.
- (h) Convertible security.
- (i) The security may be offered and sold to "qualified institutional buyers" under Rule 144A of the Securities Act of 1933.
- (j) Represents a step-up bond; the interest rate shown is the effective yield at the time of purchase.
- (k) 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, were as follows:

Affiliate	Net Activity	Interest Income
BlackRock Liquidity Series, LLC Cash Sweep Series	\$4,850,625	\$248,110

- (l) Floating rate loan interests in which the Fund invests generally pay interest at rates that are periodically redetermined by reference to a base lending rate plus a premium. The base lending rates are generally (i) the lending rate offered by one or more major European banks, such as London InterBank Offered Rate ("LIBOR"), (ii) the prime rate offered by one or more U.S. banks, or (iii) the certificate of deposit rate.
- (m) Represents a pay-in-kind security which may pay interest/dividends in additional face/shares.
 - o 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 ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease. Industries are shown as a percent of net assets. These industry classifications are unaudited.

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o Swaps outstanding as of February 28, 2007 were as follows:

	Notional Amount	Unrealized Depreciation
Sold credit default protection on Ford Motor Credit Company and receive 2.05%		
Broker, Deutsche Bank AG London Expires March 2010	\$5,000,000	\$(28,590)

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Statement of Assets, Liabilities and Capital

As of February 28, 2007

Assets

Investments in unaffiliated securities, at value (identified cost--\$479,014,250)	
Investments in affiliated securities, at value (identified cost--\$4,850,625)	
Cash	
Receivables:	
Interest	\$
Securities sold	
Principal paydowns	
Swaps	
Commitment fees	

Prepaid expenses and other assets

Total assets

Liabilities

Loans	
Unrealized depreciation on swaps	
Unfunded loan commitment	
Payables:	
Securities purchased	
Investment adviser	
Interest on loans	
Other affiliates	

Accrued expenses and other liabilities

Total liabilities

Net Assets

Net assets

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Capital

Common Stock, par value \$.10 per share; 200,000,000 shares authorized
(56,274,149 shares issued and outstanding)
Paid-in capital in excess of par
Undistributed investment income--net
Accumulated realized capital losses--net
Unrealized appreciation--net

Total accumulated losses--net

Total capital--Equivalent to \$6.17 net asset value per share of Common Stock
(market price--\$6.53)

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Statement of Operations

For the Year Ended February 28, 2007

Investment Income

Interest (including \$248,110 from affiliates)
Facility and other fees

Total income

Expenses

Loan interest expense
Investment advisory fees
Borrowing costs
Accounting services
Professional fees
Transfer agent fees
Directors' fees and expenses
Printing and shareholder reports
Listing fees
Custodian fees
Pricing services
Other

Total expenses

Investment income--net

Realized & Unrealized Gain (Loss)--Net

Realized gain (loss) on:
Investments--net

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Swaps--net

Change in unrealized appreciation/depreciation on:

Investments--net

Unfunded corporate loans--net

Swaps--net

Total realized and unrealized gain--net

Net Increase in Net Assets Resulting from Operations

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Statements of Changes in Net Assets

Increase (Decrease) in Net Assets:

Operations

Investment income--net

Realized gain (loss)--net

Change in unrealized appreciation/depreciation--net

Net increase in net assets resulting from operations

Dividends to Shareholders

Dividends to shareholders from investment income--net

Stock Transactions

Value of shares issued to Common Stock shareholders in reinvestment of dividends

Net increase in net assets resulting from stock transactions

Net Assets

Total increase (decrease) in net assets

Beginning of year

End of year*

* Undistributed investment income--net

See Notes to Financial Statements.

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BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Statement of Cash Flows

For the Year Ended February 28, 2007

Cash Provided by Operating Activities

Net increase in net assets resulting from operations
Adjustments to reconcile net increase in net assets resulting from operations to net cash provided by operating activities:
 Decrease in other receivables
 Increase in prepaid expenses and other assets
 Increase in other liabilities
 Realized and unrealized gain--net
 Amortization of premium and discount
Proceeds from sales and paydowns of long-term securities
Purchases of long-term securities
Net purchases of short-term investments

Cash provided by operating activities

Cash Used for Financing Activities

Cash receipts from borrowings
Cash payments on borrowings
Dividends paid to shareholders
Decrease in bank overdraft

Cash used for financing activities

Cash

Net increase in cash
Cash at beginning of year

Cash at end of year

Cash Flow Information

Cash paid for interest

Non-Cash Financing Activities

Value of capital shares issued on reinvestment of dividends to shareholders

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

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Financial Highlights

The following per share data and ratios have been derived from information provided in the financial statements.

	2007	For the Year Ended February 28, 2006	2005
Per Share Operating Performance			
Net asset value, beginning of year	\$ 6.00	\$ 6.28	\$
Investment income--net**	.57	.55	
Realized and unrealized gain (loss)--net	.16	(.27)	
Total from investment operations	.73	.28	
Less dividends from investment income--net	(.56)	(.56)	(
Net asset value, end of year	\$ 6.17	\$ 6.00	\$
Market price per share, end of year	\$ 6.53	\$ 5.88	\$
Total Investment Return*			
Based on net asset value per share	12.82%	5.07%	12
Based on market price per share	21.84%	4.13%	11
Ratios to Average Net Assets			
Expenses, excluding interest expense	.90%	.91%	
Expenses	3.03%	2.39%	1
Investment income--net	9.42%	9.23%	9
Leverage			
Amount of borrowings, end of year (in thousands)	\$ 132,000	\$ 141,700	\$ 147
Average amount of borrowings outstanding during the year (in thousands)	\$ 131,575	\$ 128,461	\$ 137
Average amount of borrowings outstanding per share during the year**	\$ 2.35	\$ 2.30	\$
Supplemental Data			
Net assets, end of year (in thousands)	\$ 347,449	\$ 335,690	\$ 349
Portfolio turnover	62.27%	48.41%	54

* Total investment returns based on market price, which can be significantly greater or less

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the net asset value, may result in substantially different returns. Total investment return is net of the effects of sales charges.

** Based on average shares outstanding.

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Notes to Financial Statements

1. Significant Accounting Policies:

On September 29, 2006, Senior High Income Portfolio, Inc. was renamed BlackRock Senior High Income Fund, Inc. (the "Fund"). The Fund is registered under the Investment Company Act of 1940, as amended, as a non-diversified, closed-end management investment company. The Fund's financial statements are prepared in conformity with U.S. generally accepted accounting principles, which may require the use of management accruals and estimates. Actual results may differ from these estimates. The Fund determines and makes available for publication the net asset value of its Common Stock on a daily basis. The Fund's Common Stock shares are listed on the New York Stock Exchange ("NYSE") under the symbol ARK.

(a) Corporate debt obligations--The Fund invests principally in senior debt obligations of companies, including floating rate loans made by banks and other financial institutions and both privately and publicly offered corporate bonds and notes. Because agents and intermediaries are primarily commercial banks or other financial institutions, the Fund's investment in floating rate loans could be considered concentrated in financial institutions.

(b) Valuation of investments--Floating rate loans are valued in accordance with guidelines established by the Fund's Board of Directors. As of October 2, 2006, floating rate loan interests are valued at the mean between the last available bid prices from one or more brokers or dealers as obtained from Loan Pricing Corporation. Previously floating rate loan interests were valued at the mean between the last available bid and asked prices as obtained from the same pricing source. This change had no significant effect on the valuation of these loans. For the limited number of floating rate loans for which no reliable price quotes are available, such floating rate loans will be valued by Loan Pricing Corporation through the use of pricing matrixes to determine valuations. If the pricing service does not provide a value for a floating rate loan, Blackrock Advisors, LLC (the "Manager"), an indirect, wholly owned subsidiary of BlackRock, Inc., will value the floating rate loan at fair value, which is intended to approximate market value.

Debt securities are traded primarily in the over-the-counter ("OTC") markets and are valued at the last available bid price in the OTC market or on the basis of values as obtained by a pricing service. Pricing services use valuation matrixes that incorporate both dealer-supplied valuations and valuation models. The procedures of the pricing service and its valuations are reviewed by the officers of the Fund under the general direction of the Board of Directors. Such valuations and procedures will be reviewed periodically by the Board of Directors of the Fund.

Securities that are held by the Fund that are traded on stock exchanges or the NASDAQ Global Market are valued at the last sale price or official close price

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on the exchange on which such securities are traded, as of the close of business on the day the securities are being valued or, lacking any sales, at the last available bid price for long positions, and at the last available asked price for short positions. In cases where securities are traded on more than one exchange, the securities are valued on the exchange designated as the primary market by or under the authority of the Board of Directors of the Fund. Long positions in securities traded in the OTC market, NASDAQ Capital Market or Bulletin Board are valued at the last available bid price or yield equivalent obtained from one or more dealers or pricing services approved by the Board of Directors of the Fund. Short positions in securities traded in the OTC market are valued at the last available asked price. Portfolio securities that are traded both in the OTC market and on a stock exchange are valued according to the broadest and most representative market. When the Fund writes an option, the amount of the premium received is recorded on the books of the Fund as an asset and an equivalent liability. The amount of the liability is subsequently valued to reflect the current market value of the option written, based on the last sale price in the case of exchange-traded options or, in the case of options traded in the OTC market, the last asked price. Options purchased by the Fund are valued at their last sale price in the case of exchange-traded options or, in the case of options traded in the OTC market, the last bid price. Swap agreements are valued based upon quoted fair valuations received daily by the Fund from a pricing service or counterparty. Other investments, including financial futures contracts and related options, are stated at market value. Obligations with remaining maturities of 60 days or less are valued at amortized cost unless the Manager believes that this method no longer produces fair valuations. Valuation of other short-term investment vehicles is generally based on the net asset value of the underlying vehicle or amortized cost. Repurchase agreements will be valued at cost plus accrued interest.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Notes to Financial Statements (continued)

Generally, trading in foreign securities, as well as U.S. government securities, money market instruments and certain fixed income securities, is substantially completed each day at various times prior to the close of business on the NYSE. The values of such securities used in computing the net asset value of the Fund's shares are determined as of such times. Foreign currency exchange rates will generally be determined as of the close of business on the NYSE. Occasionally, events affecting the values of such securities and such exchange rates may occur between the times at which they are determined and the close of business on the NYSE that may not be reflected in the computation of the Fund's net asset value. If events (for example, a company announcement, market volatility or a natural disaster) occur during such periods that are expected to materially affect the value of such securities, those securities will be valued at their fair value as determined in good faith by the Fund's Board of Directors or by the Manager using a pricing service and/or procedures approved by the Fund's Board of Directors.

(c) Derivative financial instruments--The Fund may engage in various portfolio investment strategies both to increase the return of the Fund and to hedge, or protect, its exposure to interest rate movements and movements in the securities markets. Losses may arise due to changes in the value of the contract or if the counterparty does not perform under the contract.

* Financial futures contracts--The Fund may purchase or sell financial futures

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contracts and options on such financial futures contracts for the purpose of hedging the market risk on existing securities or the intended purchase of securities. Financial futures contracts are contracts for delayed delivery of securities at a specific future date and at a specific price or yield. Upon entering into a contract, the Fund deposits and maintains as collateral such initial margin as required by the exchange on which the transaction is effected. Pursuant to the contract, the Fund agrees to receive from or pay to the broker an amount of cash equal to the daily fluctuation in value of the contract. Such receipts or payments are known as variation margin and are recorded by the Fund as unrealized gains or losses. When the contract is closed, the Fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed.

* Options--The Fund may write and purchase call and put options. When the Fund writes an option, an amount equal to the premium received by the Fund is reflected as an asset and an equivalent liability. The amount of the liability is subsequently marked-to-market to reflect the current market value of the option written. When a security is purchased or sold through an exercise of an option, the related premium paid (or received) is added to (or deducted from) the basis of the security acquired or deducted from (or added to) the proceeds of the security sold. When an option expires (or the Fund enters into a closing transaction), the Fund realizes a gain or loss on the option to the extent of the premiums received or paid (or gain or loss to the extent the cost of the closing transaction is less than or exceeds the premiums paid or received).

Written and purchased options are non-income producing investments.

* Swaps--The Fund may enter into swap agreements, which are OTC contracts in which the Fund and a counterparty agree to make periodic net payments on a specified notional amount. The net payments can be made for a set period of time or may be triggered by a predetermined credit event. The net periodic payments may be based on a fixed or variable interest rate; the change in market value of a specified security, basket of securities, or index; or the return generated by a security. These periodic payments received or made by the Fund are recorded in the accompanying Statement of Operations as realized gains or losses, respectively. Gains or losses are also realized upon termination of the swap agreements. Swaps are marked-to-market daily and changes in value are recorded as unrealized appreciation (depreciation). Risks include changes in the returns of the underlying instruments, failure of the counterparties to perform under the contracts' terms and the possible lack of liquidity with respect to the swap agreements.

(d) Income taxes--It is the Fund's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute substantially all of its taxable income to its shareholders. Therefore, no federal income tax provision is required.

(e) Recent accounting pronouncements--In July 2006, the Financial Accounting Standards Board ("FASB") issued Interpretation No. 48 ("FIN 48"), "Accounting for Uncertainty in Income Taxes - an interpretation of FASB Statement No. 109." FIN 48 prescribes the minimum recognition threshold a tax position must meet in connection with accounting for uncertainties in income tax positions taken or expected to be taken by an entity, including mutual funds, before being measured and recognized in the financial statements. Adoption of FIN 48 is required for the last net asset value calculation in the first required financial statement reporting period for fiscal years beginning after December 15, 2006. The impact on the Fund's financial statements, if any, is currently being assessed.

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BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Notes to Financial Statements (continued)

In September 2006, Statement of Financial Accounting Standards No. 157, "Fair Value Measurements" ("FAS 157"), was issued and is effective for fiscal years beginning after November 15, 2007. FAS 157 defines fair value, establishes a framework for measuring fair value and expands disclosures about fair value measurements. At this time, management is evaluating the implications of FAS 157 and its impact on the Fund's financial statements, if any, has not been determined.

In addition, in February 2007, FASB issued "Statement of Financial Accounting Standards No. 159, The Fair Value Option for Financial Assets and Financial Liabilities" ("FAS 159"), which is effective for fiscal years beginning after November 15, 2007. Early adoption is permitted as of the beginning of a fiscal year that begins on or before November 15, 2007, provided the entity also elects to apply the provisions of FAS 157. FAS 159 permits entities to choose to measure many financial instruments and certain other items at fair value that are not currently required to be measured at fair value. FAS 159 also establishes presentation and disclosure requirements designed to facilitate comparisons between entities that choose different measurement attributes for similar types of assets and liabilities. At this time, management is evaluating the implications of FAS 159 and its impact on the Fund's financial statements, if any, has not been determined.

(f) Security transactions and investment income--Security transactions are recorded on the dates the transactions are entered into (the trade dates). Realized gains and losses on security transactions are determined on the identified cost basis. Interest income is recognized on the accrual basis. The Fund amortizes all premiums and discounts on debt securities.

(g) Dividends and distributions--Dividends from net investment income are declared and paid monthly. Distributions of capital gains are recorded on the ex-dividend dates. The Fund may at times pay out less than the entire amount of net investment income earned in any particular period and may at times pay out such accumulated undistributed income in other periods to permit the Fund to maintain a more stable level of dividends.

(h) Securities lending--The Fund may lend securities to financial institutions that provide cash or securities issued or guaranteed by the U.S. government as collateral, which will be maintained at all times in an amount equal to at least 100% of the current market value of the loaned securities. The market value of the loaned securities is determined at the close of business of the Fund and any additional required collateral is delivered to the Fund on the next business day. Where the Fund receives securities as collateral for the loaned securities, it receives a fee from the borrower. The Fund typically receives the income on the loaned securities, but does not receive the income on the collateral. Where the Fund receives cash collateral, it may invest such collateral and retain the amount earned on such investment, net of any amount rebated to the borrower. Loans of securities are terminable at any time and the borrower, after notice, is required to return borrowed securities within five business days. The Fund may pay reasonable finder's, lending agent, administrative and custodial fees in connection with its loans. In the event that the borrower defaults on its obligation to return borrowed securities because of insolvency or for any other reason, the Fund could experience delays and costs in gaining access to the collateral. The Fund also could suffer a loss where the value of the collateral falls below the market value

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of the borrowed securities, in the event of borrower default or in the event of losses on investments made with cash collateral.

(i) Reclassification--U.S. generally accepted accounting principles require that certain components of net assets be adjusted to reflect permanent differences between financial and tax reporting. Accordingly, during the current year, \$4,282,847 has been reclassified between paid-in capital in excess of par and accumulated net realized capital losses as a result of a permanent difference attributable to the expiration of capital loss carryforwards. This reclassification has no effect on net assets or net asset values per share.

2. Investment Advisory Agreement and Transactions with Affiliates:

On September 29, 2006, BlackRock, Inc. and Merrill Lynch & Co., Inc. ("Merrill Lynch") combined Merrill Lynch's investment management business, Merrill Lynch Investment Managers, L.P. ("MLIM"), and its affiliates, including Fund Asset Management, L.P. ("FAM"), with BlackRock, Inc. to create a new independent company. Merrill Lynch has a 49.8% economic interest and a 45% voting interest in the combined company and The PNC Financial Services Group, Inc. ("PNC"), has approximately a 34% economic and voting interest. The new company operates under the BlackRock name and is governed by a board of directors with a majority of independent members.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Notes to Financial Statements (continued)

On August 15, 2006, shareholders of the Fund approved a new Investment Advisory Agreement with BlackRock Advisors, Inc., which was recently reorganized into a limited liability company and renamed BlackRock Advisors, LLC. The new investment advisory agreement between the Fund and the Manager became effective on September 29, 2006. Prior to September 29, 2006, FAM was the Fund's Manager. The general partner of FAM is Princeton Services, Inc. ("PSI"), an indirect, wholly owned subsidiary of Merrill Lynch, which is the limited partner.

The Manager is responsible for the management of the Fund's portfolio and provides the necessary personnel, facilities, equipment and certain other services necessary to the operations of the Fund. For such services, the Fund pays a monthly fee at an annual rate of .50% of the Fund's average daily net assets plus the proceeds of any outstanding borrowings used for leverage. In addition, the Manager has entered into a Sub-Advisory Agreement with BlackRock Financial Management, Inc., an affiliate of the Manager, under which the Manager pays the Sub-Adviser for services it provides a monthly fee that is a percentage of the management fee paid by the Fund to the Manager.

The Fund has received an exemptive order from the Securities and Exchange Commission permitting it to lend portfolio securities to Merrill Lynch, Pierce, Fenner & Smith Incorporated, an affiliate of the Manager, or its affiliates. Pursuant to that order, the Fund has retained BlackRock Investment Management, LLC ("BIM") as the securities lending agent for a fee based on a share of the returns on investment of cash collateral. Prior to September 29, 2006, BIM was organized as Merrill Lynch Investment Managers, LLC ("MLIM, LLC"), an affiliate of FAM, and MLIM, LLC was the securities lending agent. BIM may, on behalf of the Fund, invest cash collateral received by the Fund for such loans, among other things, in a private investment company managed by

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the Manager or in registered money market funds advised by the Manager or its affiliates.

For the year ended February 28, 2007, the Fund reimbursed FAM and the Manager \$4,315 and \$2,685, respectively, for certain accounting services.

Prior to September 29, 2006, certain officers and/or directors of the Fund were officers and/or directors of FAM, PSI, Merrill Lynch, MLIM, and/or MLIM, LLC.

Commencing September 29, 2006, certain officers and/or directors of the Fund are officers and/or directors of BlackRock, Inc. or its affiliates.

3. Investments:

Purchases and sales (including paydowns) of investments, excluding short-term securities, for the year ended February 28, 2007 were \$288,534,749 and \$292,678,723, respectively.

4. Stock Transactions:

The Fund is authorized to issue 200,000,000 shares of capital stock, par value \$.10 per share, all of which were initially classified as Common Stock. The Board of Directors is authorized, however, to classify and reclassify any unissued shares of capital stock without approval of the holders of Common Stock.

Shares issued and outstanding during the years ended February 28, 2007 and February 28, 2006 increased by 332,841 and 200,735, respectively, as a result of dividend reinvestment.

5. Unfunded Loan Commitments:

As of February 28, 2007, the Fund had unfunded loan commitments of approximately \$3,500,000, which would be extended at the option of the borrower, pursuant to the following loan agreements:

Borrower	(in Thousands)	
	Unfunded Commitment	Value of Underlying Loan
Calpine Corp.	\$1,500	\$1,496
MEG Energy Corp.	\$ 500	\$ 497
Venetian Macau U.S. Finance Co. LLC	\$1,500	\$1,504

6. Short-Term Borrowings:

On May 22, 2006, the Fund renewed its revolving credit and security agreement funded by a commercial paper asset securitization program with Citicorp North America, Inc. ("Citicorp") as Agent, certain secondary backstop lenders, and certain asset securitization conduits as lenders (the "Lenders"). The agreement was renewed for one year and has a maximum limit of \$175,000,000. Under the Citicorp program, the conduits will fund advances to the Fund through the issuance of highly rated commercial paper. As security for its obligations to the Lenders under the revolving securitization facility, the Fund has granted a security interest in substantially all of its assets to and in favor of the Lenders. The interest rate on the Fund's borrowings is based on the interest rate carried by the commercial paper plus a program fee. The Fund pays additional borrowing costs including a backstop commitment fee.

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BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Notes to Financial Statements (concluded)

The weighted average annual interest rate was 5.48% and the average borrowing was approximately \$131,575,000 for the year ended February 28, 2007.

7. Distributions to Shareholders:

The Fund paid an ordinary income dividend in the amount of \$.047000 per share on March 30, 2007 to shareholders of record on March 15, 2007.

The tax character of distributions paid during the fiscal years ended February 28, 2007 and February 28, 2006 was as follows:

	2/28/2007	2/28/2006
Distributions paid from:		
Ordinary income	\$ 31,608,871	\$ 31,484,794
	-----	-----
Total taxable distributions	\$ 31,608,871	\$ 31,484,794
	=====	=====

As of February 28, 2007, the components of accumulated losses on a tax basis were as follows:

Undistributed ordinary income--net	\$ 2,240,131
Undistributed long-term capital gains--net	--

Total undistributed earnings--net	2,240,131
Capital loss carryforward	(152,916,193)*
Unrealized gains--net	1,448,086**

Total accumulated losses--net	\$ (149,227,976)
	=====

* On February 28, 2007, the Fund had a net capital loss carry-forward of \$152,916,193, of which \$12,755,214 expires in 2008, \$25,658,795 expires in 2009, \$54,958,583 expires in 2010, \$30,706,546 expires in 2011, \$22,345,071 expires in 2012, \$4,906,362 expires in 2014 and \$1,585,622 expires in 2015. This amount will be available to offset like amounts of any future taxable gains.

** The difference between book-basis and tax-basis net unrealized gains is attributable primarily to the tax deferral of losses on wash sales, the book/tax differences in the accrual of income on securities in default, the difference between book and tax amortization methods for premiums and discounts on fixed income securities and other book/tax temporary differences.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

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Report of Independent Registered Public Accounting Firm

To the Shareholders and Board of Directors of
BlackRock Senior High Income Fund, Inc.:

We have audited the accompanying statement of assets, liabilities and capital, including the schedule of investments, of BlackRock Senior High Income Fund, Inc. (the "Fund") (formerly Senior High Income Portfolio, Inc.) as of February 28, 2007, and the related statements of operations and cash flows for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. The Fund is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of February 28, 2007, by correspondence with the custodian and financial intermediaries; where replies were not received from financial intermediaries, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of BlackRock Senior High Income Fund, Inc. as of February 28, 2007, the results of its operations and its cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended, and its financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

Deloitte & Touche LLP
Princeton, New Jersey

April 23, 2007

Fund Certification (unaudited)

In September 2006, the Fund filed its Chief Executive Officer Certification with the New York Stock Exchange pursuant to Section 303A.12(a) of the New

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York Stock Exchange Corporate Governance Listing Standards.

The Fund's Chief Executive Officer and Chief Financial Officer Certifications pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 were filed with the Fund's Form N-CSR and are available on the Securities and Exchange Commission's Web site at <http://www.sec.gov>.

Important Tax Information (unaudited)

The following information is provided with respect to the ordinary income distributions paid by BlackRock Senior High Income Fund, Inc. for the fiscal year ended February 28, 2007:

Interest-Related Dividends for Non-U.S. Residents

Month Paid:	March 2006	70.81%*
	April 2006 - January 2007	88.24%*
	February 2007	71.94%*

* Represents the portion of the taxable ordinary income dividends eligible for exemption from U.S. withholding tax for nonresident aliens and foreign corporations.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Automatic Dividend Reinvestment Plan

How the Plan Works--The Fund offers a Dividend Reinvestment Plan (the "Plan") under which income and capital gains dividends paid by the Fund are automatically reinvested in additional shares of Common Stock of the Fund. The Plan is administered on behalf of the shareholders by The Bank of New York (the "Plan Agent"). Under the Plan, whenever the Fund declares a dividend, participants in the Plan will receive the equivalent in shares of Common Stock of the Fund. The Plan Agent will acquire the shares for the participant's account either (i) through receipt of additional unissued but authorized shares of the Fund ("newly issued shares") or (ii) by purchase of outstanding shares of Common Stock on the open market on the New York Stock Exchange or elsewhere. If, on the dividend payment date, the Fund's net asset value per share is equal to or less than the market price per share plus estimated brokerage commissions (a condition often referred to as a "market premium"), the Plan Agent will invest the dividend amount in newly issued shares. If the Fund's net asset value per share is greater than the market price per share (a condition often referred to as a "market discount"), the Plan Agent will invest the dividend amount by purchasing on the open market additional shares. If the Plan Agent is unable to invest the full dividend amount in open market purchases, or if the market discount shifts to a market premium during the purchase period, the Plan Agent will invest any uninvested portion in newly issued shares. The shares acquired are credited to each shareholder's account. The amount credited is determined by dividing the dollar amount of the dividend by either (i) when the shares are newly issued, the net asset value per share on the date the shares are issued or (ii) when shares are purchased in the open market, the average purchase price per share.

Participation in the Plan--Participation in the Plan is automatic, that is, a

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shareholder is automatically enrolled in the Plan when he or she purchases shares of Common Stock of the Fund unless the shareholder specifically elects not to participate in the Plan. Shareholders, who elect not to participate, will receive all dividend distributions in cash. Shareholders, who do not wish to participate in the Plan, must advise the Plan Agent in writing (at the address set forth below) that they elect not to participate in the Plan. Participation in the Plan is completely voluntary and may be terminated or resumed at any time without penalty by writing to the Plan Agent.

Benefits of the Plan--The Plan provides an easy, convenient way for shareholders to make additional, regular investments in the Fund. The Plan promotes a long-term strategy of investing at a lower cost. All shares acquired pursuant to the Plan receive voting rights. In addition, if the market price plus commissions of the Fund's shares is above the net asset value, participants in the Plan will receive shares of the Fund for less than they could otherwise purchase them and with a cash value greater than the value of any cash distribution they would have received. However, there may not be enough shares available in the market to make distributions in shares at prices below the net asset value. Also, since the Fund does not redeem shares, the price on resale may be more or less than the net asset value.

Plan Fees--There are no enrollment fees or brokerage fees for participating in the Plan. The Plan Agent's service fees for handling the reinvestment of distributions are paid for by the Fund. However, brokerage commissions may be incurred when the Fund purchases shares on the open market and shareholders will pay a pro rata share of any such commissions.

Tax Implications--The automatic reinvestment of dividends and distributions will not relieve participants of any federal, state or local income tax that may be payable (or required to be withheld) on such dividends. Therefore, income and capital gains may still be realized even though shareholders do not receive cash. Participation in the Plan generally will not affect the tax-exempt status of exempt interest dividends paid by the Fund. If, when the Fund's shares are trading at a market premium, the Fund issues shares pursuant to the Plan that have a greater fair market value than the amount of cash reinvested, it is possible that all or a portion of the discount from the market value (which may not exceed 5% of the fair market value of the Fund's shares) could be viewed as a taxable distribution. If the discount is viewed as a taxable distribution, it is also possible that the taxable character of this discount would be allocable to all the shareholders, including shareholders who do not participate in the Plan. Thus, shareholders who do not participate in the Plan might be required to report as ordinary income a portion of their distributions equal to their allocable share of the discount.

Contact Information--All correspondence concerning the Plan, including any questions about the Plan, should be directed to the Plan Agent at The Bank of New York, Church Street Station, P.O. Box 11258, New York, NY 10286-1258, Telephone: 800-432-8224.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Officers and Directors

Position(s) Length of

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Name, Address & Age	Held with Fund	Time Served	Principal Occupation(s) During Past 5 Years
Interested Director			
Robert C. Doll, Jr.* P.O. Box 9011 Princeton, NJ 08543-9011 Age: 52	President and Director	2005 to present	Vice Chairman and Director of BlackRock, Inc., Global Chief Investment Officer for Equities, Chairman of the BlackRock Retail Operating Committee, and member of the BlackRock Executive Committee since 2006; President of the funds advised by Merrill Lynch Investment Managers, L.P. ("MLIM") and its affiliates ("MLIM/FAM-advised funds") from 2005 to 2006 and Chief Investment Officer thereof from 2001 to 2006; President of MLIM and Fund Asset Management, L.P. ("FAM") from 2001 to 2006; Co-Head (Americas Region) thereof from 2000 to 2001 and Senior Vice President from 1999 to 2001; President and Director of Princeton Service Inc. ("Princeton Services") and President of Princeton Administrators, L.P. ("Princeton Administrators") from 2001 to 2006; Chief Investment Officer of OppenheimerFunds, Inc. in 1999 and Executive Vice President thereof from 1991 to 1999.

* Mr. Doll is a director, trustee or member of an advisory board of certain other investment companies for which BlackRock Advisors, LLC and its affiliates act as investment adviser. Mr. Doll is an "interested person," as defined in the Investment Company Act, of the Fund based on his positions with BlackRock, Inc. and its affiliates. Directors serve until their resignation, removal or death, or until December 31 of the year in which they turn 72. As Fund President, Mr. Doll serves at the pleasure of the Board of Directors.

Independent Directors*

Ronald W. Forbes** P.O. Box 9095 Princeton, NJ 08543-9095 Age: 66	Director	1993 to present	Professor Emeritus of Finance, School of Business, State University of New York at Albany since 2000 and Professor thereof from 1989 to 2000; International Consultant, Urban Institute, Washington, D.C. from 1995 to 1999.
Cynthia A. Montgomery++ P.O. Box 9095 Princeton, NJ 08543-9095 Age: 54	Director	1994 to present	Professor, Harvard Business School since 1989; Associate Professor, J.L. Kellogg Graduate School of Management, Northwestern University from 1985 to 1989; Associate Professor, Graduate School of Business Administration, University of Michigan from 1979 to 1985; Director, Harvard Business School Publishing since 2005; Director, McLean Hospital since 2005.
Jean Margo Reid P.O. Box 9095 Princeton,	Director	2004 to present	Self-employed consultant since 2001; Counsel of Alliance Capital Management (investment adviser) in 2000; General Counsel, Director

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NJ 08543-9095

Age: 61

and Secretary of Sanford C. Bernstein & Co., Inc. (investment adviser/broker-dealer) from 1997 to 2000; Secretary, Sanford C. Bernstein Fund, Inc. from 1994 to 2000; Director and Secretary of SCB, Inc. since 1998; Director and Secretary of SCB Partners, Inc. since 2000; and Director of Covenant House from 2001 to 2004.

* Directors serve until their resignation, removal or death, or until December 31 of the year in which they turn 72.

** Chairman of the Board of Directors and the Audit Committee.

++ Chair of the Nominating Committee.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Officers and Directors (continued)

Name, Address & Age	Position(s) Held with Fund	Length of Time Served	Principal Occupation(s) During Past 5 Years
Independent Directors*			
Roscoe S. Suddarth P.O. Box 9095 Princeton, NJ 08543-9095 Age: 71	Director	2000 to present	President, Middle East Institute, from 1995 to 2001; Foreign Service Officer, United States Foreign Service, from 1961 to 1995 and Career Minister from 1989 to 1995; Deputy Inspector General, U.S. Department of State, from 1991 to 1994; U.S. Ambassador to the Hashemite Kingdom of Jordan from 1987 to 1990.
Richard R. West P.O. Box 9095 Princeton, NJ 08543-9095 Age: 69	Director	1993 to present	Professor of Finance from 1984 to 1995, Dean from 1984 to 1993 and since 1995 Dean Emeritus of New York University's Leonard N. Stern School of Business Administration.

* Directors serve until their resignation, removal or death, or until December 31 of the year in which they turn 72.

Fund Officers*

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<p>Donald C. Burke P.O. Box 9011 Princeton, NJ 08543-9011 Age: 46</p>	<p>Vice President and Treasurer</p>	<p>1993 to present and 1999 to present</p>	<p>Managing Director of BlackRock, Inc. since 2006; Lynch Investment Managers, L.P. ("MLIM") and Fund ("FAM") in 2006; First Vice President of MLIM and Treasurer thereof from 1999 to 2006; Vice Preside to 1997.</p>
<p>Kevin J. Booth P.O. Box 9011 Princeton, NJ 08543-9011 Age: 52</p>	<p>Vice President</p>	<p>2001 to present</p>	<p>Managing Director of BlackRock, Inc. since 2006; Fixed Income) of MLIM in 2006; Director of MLIM f President of MLIM from 1991 to 1998.</p>
<p>Jeffrey Hiller P.O. Box 9011 Princeton, NJ 08543-9011 Age: 55</p>	<p>Fund Chief Compliance Officer</p>	<p>2004 to present</p>	<p>Managing Director of BlackRock, Inc. and Fund Chi 2006; Chief Compliance Officer of the MLIM/FAM-ad President and Chief Compliance Officer of MLIM (A 2006; Chief Compliance Officer of the IQ Funds si Compliance at Morgan Stanley Investment Managemen Director and Global Director of Compliance at Cit 2000 to 2002; Chief Compliance Officer at Soros F Compliance Officer at Prudential Financial from 1 the Securities and Exchange Commission's Division D.C. from 1990 to 1995.</p>
<p>Alice A. Pellegrino P.O. Box 9011 Princeton, NJ 08543-9011 Age: 46</p>	<p>Secretary</p>	<p>2004 to present</p>	<p>Director of BlackRock, Inc. since 2006; Director 2002 to 2006; Vice President of MLIM from 1999 to with MLIM from 1997 to 1999; Secretary of MLIM, F Princeton Services from 2004 to 2006.</p>

* Officers of the Fund serve at the pleasure of the Board of Directors.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Officers and Directors (concluded)

Custodian
The Bank of New York
100 Church Street
New York, NY 10286

Transfer Agent
The Bank of New York
101 Barclay Street--11 East
New York, NY 10286

NYSE Symbol
ARK

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Effective January 1, 2007, Edward D. Zinbarg retired as a Director of BlackRock Senior High Income Fund, Inc. The Fund's Board of Directors wishes Mr. Zinbarg well in his retirement.

Effective April 13, 2007, Jeffrey Hiller resigned his position as Chief Compliance Officer of the Fund. Also effective April 13, 2007, Karen Clark was appointed Chief Compliance Officer of the Fund. Ms. Clark has been a Managing Director of BlackRock, Inc. since 2007. She was a Director thereof from 2005 to 2007. Prior to that, Ms. Clark was a principal and senior compliance officer at State Street Global Advisors from 2001 to 2005. Ms. Clark was a principal consultant with PricewaterhouseCoopers, LLP from 1998 to 2001. From 1993 to 1998, Ms. Clark was Branch Chief, Division of Investment Management and Office of Compliance Examinations, with the U.S. Securities and Exchange Commission.

BlackRock Privacy Principles

BlackRock is committed to maintaining the privacy of its current and former fund investors and individual clients (collectively, "Clients") and to safeguarding their nonpublic personal information. The following information is provided to help you understand what personal information BlackRock collects, how we protect that information and why in certain cases we share such information with select parties.

If you are located in a jurisdiction where specific laws, rules or regulations require BlackRock to provide you with additional or different privacy-related rights beyond what is set forth below, then BlackRock will comply with those specific laws, rules or regulations.

BlackRock obtains or verifies personal nonpublic information from and about you from different sources, including the following: (i) information we receive from you or, if applicable, your financial intermediary, on applications, forms or other documents; (ii) information about your transactions with us, our affiliates, or others; (iii) information we receive from a consumer reporting agency; and (iv) from visits to our Web sites.

BlackRock does not sell or disclose to nonaffiliated third parties any nonpublic personal information about its Clients, except as permitted by law or as is necessary to service Client accounts. These nonaffiliated third parties are required to protect the confidentiality and security of this information and to use it only for its intended purpose.

We may share information with our affiliates to service your account or to provide you with information about other BlackRock products or services that may be of interest to you. In addition, BlackRock restricts access to nonpublic personal information about its Clients to those BlackRock employees with a legitimate business need for the information. BlackRock maintains physical, electronic and procedural safeguards that are designed to protect the nonpublic personal information of its Clients, including procedures relating to the proper storage and disposal of such information.

BLACKROCK SENIOR HIGH INCOME FUND, INC.

FEBRUARY 28, 2007

Item 2 - Code of Ethics - The registrant has adopted a code of ethics, as of

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the end of the period covered by this report, that applies to the registrant's principal executive officer, principal financial officer and principal accounting officer, or persons performing similar functions. A copy of the code of ethics is available without charge at www.blackrock.com.

- Item 3 - Audit Committee Financial Expert - The registrant's board of directors has determined that (i) the registrant has the following audit committee financial experts serving on its audit committee and (ii) each audit committee financial expert is independent: (1) Ronald W. Forbes, (2) Richard R. West, and (3) Edward D. Zinbarg (retired as of December 31, 2006).

Item 4 - Principal Accountant Fees and Services

(a) Audit Fees - Fiscal Year Ending February 28, 2007 - \$41,300
Fiscal Year Ending February 28, 2006 - \$41,300

(b) Audit-Related Fees -
Fiscal Year Ending February 28, 2007 - \$8,000
Fiscal Year Ending February 28, 2006 - \$8,000

The nature of the services include agreed upon procedures related to the credit facility.

(c) Tax Fees - Fiscal Year Ending February 28, 2007 - \$6,100
Fiscal Year Ending February 28, 2006 - \$6,000

The nature of the services include tax compliance, tax advice and tax planning.

(d) All Other Fees - Fiscal Year Ending February 28, 2007 - \$0
Fiscal Year Ending February 28, 2006 - \$0

(e) (1) The registrant's audit committee (the "Committee") has adopted policies and procedures with regard to the pre-approval of services. Audit, audit-related and tax compliance services provided to the registrant on an annual basis require specific pre-approval by the Committee. The Committee also must approve other non-audit services provided to the registrant and those non-audit services provided to the registrant's affiliated service providers that relate directly to the operations and the financial reporting of the registrant. Certain of these non-audit services that the Committee believes are a) consistent with the SEC's auditor independence rules and b) routine and recurring services that will not impair the independence of the independent accountants may be approved by the Committee without consideration on a specific case-by-case basis ("general pre-approval"). However, such services will only be deemed pre-approved provided that any individual project does not exceed \$5,000 attributable to the registrant or \$50,000 for all of the registrants the Committee oversees. Any proposed services exceeding the pre-approved cost levels will require specific pre-approval by the Committee, as will any other services not subject to general pre-approval (e.g., unanticipated but permissible services). The Committee is informed of each service approved subject to general pre-approval at the next regularly scheduled in-person board meeting.

(e) (2) 0%

(f) Not Applicable

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(g) Fiscal Year Ending February 28, 2007 - \$3,034,617
Fiscal Year Ending February 28, 2006 - \$4,944,454

(h) The registrant's audit committee has considered and determined that the provision of non-audit services that were rendered to the registrant's investment adviser and any entity controlling, controlled by, or under common control with the investment adviser that provides ongoing services to the registrant that were not pre-approved pursuant to paragraph (c) (7) (ii) of Rule 2-01 of Regulation S-X is compatible with maintaining the principal accountant's independence.

Regulation S-X Rule 2-01(c) (7) (ii) - \$1,739,500, 0%

Item 5 - Audit Committee of Listed Registrants - The following individuals are members of the registrant's separately-designated standing audit committee established in accordance with Section 3(a) (58) (A) of the Exchange Act (15 U.S.C. 78c(a) (58) (A)):

Ronald W. Forbes
Cynthia A. Montgomery
Jean Margo Reid
Roscoe S. Suddarth
Richard R. West
Edward D. Zinbarg (retired as of December 31, 2006)

Item 6 - Schedule of Investments - Not Applicable

Item 7 - Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies -
Proxy Voting Policies and Procedures

Each Fund's Board of Directors has delegated to the Manager authority to vote all proxies relating to the Fund's portfolio securities. The Manager has adopted policies and procedures (the "Proxy Voting Procedures") with respect to the voting of proxies related to the portfolio securities held in the account of one or more of its clients, including a Fund. Pursuant to these Proxy Voting Procedures, the Manager's primary objective when voting proxies is to make proxy voting decisions solely in the best interests of each Fund and its shareholders, and to act in a manner that the Manager believes is most likely to enhance the economic value of the securities held by the Fund. The Proxy Voting Procedures are designed to ensure that the Manager considers the interests of its clients, including each Fund, and not the interests of the Manager, when voting proxies and that real (or perceived) material conflicts that may arise between the Manager's interest and those of the Manager's clients are properly addressed and resolved.

In order to implement the Proxy Voting Procedures, the Manager has formed a Proxy Voting Committee (the "Committee"). The Committee, which is a subcommittee of the Manager's Equity Investment Policy Oversight Committee ("EIPOC"), is comprised of a senior member of the Manager's equity management group who is also a member of EIPOC, one or more other senior investment professionals appointed by EIPOC, portfolio managers and investment analysts appointed by EIPOC and any other personnel EIPOC deems appropriate. The Committee will also include two non-voting representatives from the Manager's Legal Department appointed by the Manager's General Counsel. The Committee's membership shall be limited to full-time employees of the Manager. No person with any investment banking, trading, retail

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brokerage or research responsibilities for the Manager's affiliates may serve as a member of the Committee or participate in its decision making (except to the extent such person is asked by the Committee to present information to the Committee on the same basis as other interested knowledgeable parties not affiliated with the Manager might be asked to do so). The Committee determines how to vote the proxies of all clients, including a Fund, that have delegated proxy voting authority to the Manager and seeks to ensure that all votes are consistent with the best interests of those clients and are free from unwarranted and inappropriate influences. The Committee establishes general proxy voting policies for the Manager and is responsible for determining how those policies are applied to specific proxy votes, in light of each issuer's unique structure, management, strategic options and, in certain circumstances, probable economic and other anticipated consequences of alternate actions. In so doing, the Committee may determine to vote a particular proxy in a manner contrary to its generally stated policies. In addition, the Committee will be responsible for ensuring that all reporting and recordkeeping requirements related to proxy voting are fulfilled.

The Committee may determine that the subject matter of a recurring proxy issue is not suitable for general voting policies and requires a case-by-case determination. In such cases, the Committee may elect not to adopt a specific voting policy applicable to that issue. The Manager believes that certain proxy voting issues require investment analysis - such as approval of mergers and other significant corporate transactions - akin to investment decisions, and are, therefore, not suitable for general guidelines. The Committee may elect to adopt a common position for the Manager on certain proxy votes that are akin to investment decisions, or determine to permit the portfolio manager to make individual decisions on how best to maximize economic value for a Fund (similar to normal buy/sell investment decisions made by such portfolio managers). While it is expected that the Manager will generally seek to vote proxies over which the Manager exercises voting authority in a uniform manner for all the Manager's clients, the Committee, in conjunction with a Fund's portfolio manager, may determine that the Fund's specific circumstances require that its proxies be voted differently.

To assist the Manager in voting proxies, the Committee has retained Institutional Shareholder Services ("ISS"). ISS is an independent adviser that specializes in providing a variety of fiduciary-level proxy-related services to institutional investment managers, plan sponsors, custodians, consultants, and other institutional investors. The services provided to the Manager by ISS include in-depth research, voting recommendations (although the Manager is not obligated to follow such recommendations), vote execution, and recordkeeping. ISS will also assist the Fund in fulfilling its reporting and recordkeeping obligations under the Investment Company Act.

The Manager's Proxy Voting Procedures also address special circumstances that can arise in connection with proxy voting. For instance, under the Proxy Voting Procedures, the Manager generally will not seek to vote proxies related to portfolio securities that are on loan, although it may do so under certain circumstances. In addition, the Manager will vote proxies related to securities of foreign issuers only on a best efforts basis and may elect not to vote at all in certain countries where the Committee determines that the costs associated with voting generally outweigh the benefits. The Committee may at any time override these general policies if it

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determines that such action is in the best interests of a Fund.

From time to time, the Manager may be required to vote proxies in respect of an issuer where an affiliate of the Manager (each, an "Affiliate"), or a money management or other client of the Manager, including investment companies for which the Manager provides investment advisory, administrative and/or other services (each, a "Client"), is involved. The Proxy Voting Procedures and the Manager's adherence to those procedures are designed to address such conflicts of interest. The Committee intends to strictly adhere to the Proxy Voting Procedures in all proxy matters, including matters involving Affiliates and Clients. If, however, an issue representing a non-routine matter that is material to an Affiliate or a widely known Client is involved such that the Committee does not reasonably believe it is able to follow its guidelines (or if the particular proxy matter is not addressed by the guidelines) and vote impartially, the Committee may, in its discretion for the purposes of ensuring that an independent determination is reached, retain an independent fiduciary to advise the Committee on how to vote or to cast votes on behalf of the Manager's clients.

In the event that the Committee determines not to retain an independent fiduciary, or it does not follow the advice of such an independent fiduciary, the Committee may pass the voting power to a subcommittee, appointed by EIPOC (with advice from the Secretary of the Committee), consisting solely of Committee members selected by EIPOC. EIPOC shall appoint to the subcommittee, where appropriate, only persons whose job responsibilities do not include contact with the Client and whose job evaluations would not be affected by the Manager's relationship with the Client (or failure to retain such relationship). The subcommittee shall determine whether and how to vote all proxies on behalf of the Manager's clients or, if the proxy matter is, in their judgment, akin to an investment decision, to defer to the applicable portfolio managers, provided that, if the subcommittee determines to alter the Manager's normal voting guidelines or, on matters where the Manager's policy is case-by-case, does not follow the voting recommendation of any proxy voting service or other independent fiduciary that may be retained to provide research or advice to the Manager on that matter, no proxies relating to the Client may be voted unless the Secretary, or in the Secretary's absence, the Assistant Secretary of the Committee concurs that the subcommittee's determination is consistent with the Manager's fiduciary duties.

In addition to the general principles outlined above, the Manager has adopted voting guidelines with respect to certain recurring proxy issues that are not expected to involve unusual circumstances. These policies are guidelines only, and the Manager may elect to vote differently from the recommendation set forth in a voting guideline if the Committee determines that it is in a Fund's best interest to do so. In addition, the guidelines may be reviewed at any time upon the request of a Committee member and may be amended or deleted upon the vote of a majority of Committee members present at a Committee meeting at which there is a quorum.

The Manager has adopted specific voting guidelines with respect to the following proxy issues:

* Proposals related to the composition of the board of directors of issuers other than investment companies. As a general matter, the Committee believes that a company's board of directors (rather than shareholders) is most likely to have access to important, nonpublic

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information regarding a company's business and prospects, and is, therefore, best-positioned to set corporate policy and oversee management. The Committee, therefore, believes that the foundation of good corporate governance is the election of qualified, independent corporate directors who are likely to diligently represent the interests of shareholders and oversee management of the corporation in a manner that will seek to maximize shareholder value over time. In individual cases, the Committee may look at a nominee's number of other directorships, history of representing shareholder interests as a director of other companies or other factors, to the extent the Committee deems relevant.

* Proposals related to the selection of an issuer's independent auditors. As a general matter, the Committee believes that corporate auditors have a responsibility to represent the interests of shareholders and provide an independent view on the propriety of financial reporting decisions of corporate management. While the Committee will generally defer to a corporation's choice of auditor, in individual cases, the Committee may look at an auditors' history of representing shareholder interests as auditor of other companies, to the extent the Committee deems relevant.

* Proposals related to management compensation and employee benefits. As a general matter, the Committee favors disclosure of an issuer's compensation and benefit policies and opposes excessive compensation, but believes that compensation matters are normally best determined by an issuer's board of directors, rather than shareholders. Proposals to "micro-manage" an issuer's compensation practices or to set arbitrary restrictions on compensation or benefits will, therefore, generally not be supported.

* Proposals related to requests, principally from management, for approval of amendments that would alter an issuer's capital structure. As a general matter, the Committee will support requests that enhance the rights of common shareholders and oppose requests that appear to be unreasonably dilutive.

* Proposals related to requests for approval of amendments to an issuer's charter or by-laws. As a general matter, the Committee opposes poison pill provisions.

* Routine proposals related to requests regarding the formalities of corporate meetings.

* Proposals related to proxy issues associated solely with holdings of investment company shares. As with other types of companies, the Committee believes that a fund's board of directors (rather than its shareholders) is best positioned to set fund policy and oversee management. However, the Committee opposes granting boards of directors authority over certain matters, such as changes to a fund's investment objective, which the Investment Company Act envisions will be approved directly by shareholders.

* Proposals related to limiting corporate conduct in some manner that relates to the shareholder's environmental or social concerns. The Committee generally believes that annual shareholder meetings are inappropriate forums for discussion of larger social issues, and opposes shareholder resolutions "micromanaging" corporate conduct or requesting release of information that would not help a shareholder evaluate an investment in the corporation as an economic matter. While the Committee is generally supportive of proposals to require corporate disclosure of matters that seem relevant and material to

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the economic interests of shareholders, the Committee is generally not supportive of proposals to require disclosure of corporate matters for other purposes.

Information about how a Fund voted proxies relating to securities held in the Fund's portfolio during the most recent 12 month period ended February 28 is available without charge (1) at www.blackrock.com and (2) on the Commission's web site at <http://www.sec.gov>.

Item 8 - Portfolio Managers of Closed-End Management Investment Companies - as of February 28, 2007.

(a) (1) The Fund is managed by a team of investment professionals that is responsible for the day-to-day management of the Fund's portfolio. The lead members of this team are Mark J. Williams, Managing Director at BlackRock, and Kevin J. Booth, Managing Director at BlackRock. Mr. Williams and Mr. Booth each has been a portfolio manager of the Fund since 2006. Mr. Williams is responsible for setting the Fund's overall investment strategy and overseeing the management of the Fund as of October 2, 2006. Mr. Booth is responsible for the day-to-day management of the Fund's portfolio and the selection of its investments.

Mr. Williams is the head of BlackRock's bank loan group and a member of the Investment Strategy Group. His primary responsibility is originating and evaluating bank loan investments for the firm's collateralized bond obligations. He is also involved in the evaluation and sourcing of mezzanine investments. Prior to joining BlackRock in 1998, Mr. Williams spent eight years with PNC Bank's New York office and was a founding member of the bank's Leveraged Finance Group. In that capacity he was responsible for structuring proprietary middle market leveraged deals and sourcing and evaluating broadly syndicated leveraged loans in the primary and secondary markets for PNC Bank's investment portfolio. From 1984 until 1990, Mr. Williams worked in PNC Bank's Philadelphia office in a variety of marketing and corporate finance positions.

Mr. Booth is a member of BlackRock's bank loan group. He joined BlackRock in 2006. Prior to joining BlackRock, Mr. Booth was a Managing Director (Global Fixed Income) of Merrill Lynch Investment Managers, L.P. ("MLIM") since 2006 and a member of MLIM's bank loan group from 2000 to 2006. He was a Director of MLIM from 2000 to 2006 and was a Vice President of MLIM from 1994 to 2000. He has been portfolio manager with BlackRock or MLIM since 2000.

(a) (2) As of February 28, 2007:

(i) Name of Portfolio Manager	(ii) Number of Other Accounts Managed and Assets by Account Type			(iii) Number of Other Assets for Which Advisory Performance-Based	
	Other Registered Investment Companies	Other Pooled Investment Vehicles	Other Accounts	Other Registered Investment Companies	Other Pooled Investment Vehicles

Kevin J.

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Booth	9	2	1	0	
	\$ 5,376,755,084	\$ 529,770,486	\$ 56,698,833	\$ 0	\$ 529,770,4
Mark J. Williams	8	18	1	0	
	\$ 4,624,623,892	\$ 6,003,278,704	\$ 158,013,679	\$ 0	\$ 3,985,661,0

(iv) Potential Material Conflicts of Interest

BlackRock has built a professional working environment, firm-wide compliance culture and compliance procedures and systems designed to protect against potential incentives that may favor one account over another. BlackRock has adopted policies and procedures that address the allocation of investment opportunities, execution of portfolio transactions, personal trading by employees and other potential conflicts of interest that are designed to ensure that all client accounts are treated equitably over time. Nevertheless, BlackRock furnishes investment management and advisory services to numerous clients in addition to the Fund, and BlackRock may, consistent with applicable law, make investment recommendations to other clients or accounts (including accounts which are hedge funds or have performance or higher fees paid to BlackRock, or in which portfolio managers have a personal interest in the receipt of such fees), which may be the same as or different from those made to the Fund. In addition, BlackRock, its affiliates and any officer, director, stockholder or employee may or may not have an interest in the securities whose purchase and sale BlackRock recommends to the Fund. BlackRock, or any of its affiliates, or any officer, director, stockholder, employee or any member of their families may take different actions than those recommended to the Fund by BlackRock with respect to the same securities. Moreover, BlackRock may refrain from rendering any advice or services concerning securities of companies of which any of BlackRock's (or its affiliates') officers, directors or employees are directors or officers, or companies as to which BlackRock or any of its affiliates or the officers, directors and employees of any of them has any substantial economic interest or possesses material non-public information. Each portfolio manager also may manage accounts whose investment strategies may at times be opposed to the strategy utilized for the Fund. In this connection, it should be noted that certain portfolio managers currently manage certain accounts that are subject to performance fees. In addition, certain portfolio managers assist in managing certain hedge funds and may be entitled to receive a portion of any incentive fees earned on such funds and a portion of such incentive fees may be voluntarily or involuntarily deferred. Additional portfolio managers may in the future manage other such accounts or funds and may be entitled to receive incentive fees.

As a fiduciary, BlackRock owes a duty of loyalty to its clients and must treat each client fairly. When BlackRock purchases or sells securities for more than one account, the trades must be allocated in a manner consistent with its fiduciary duties. BlackRock attempts to allocate investments in a fair and equitable manner among client accounts, with no account receiving preferential treatment. To this end, BlackRock has adopted a policy that is intended to ensure that investment opportunities are allocated fairly and equitably among client accounts over time. This policy also seeks to achieve reasonable efficiency in client transactions and provide BlackRock with sufficient flexibility to allocate investments in a manner that is consistent with the particular investment discipline and client

base.

(a) (3) As of February 28, 2007:

Compensation Program

BlackRock's financial arrangements with its portfolio managers, its competitive compensation and its career path emphasis at all levels reflect the value senior management places on key resources. Compensation may include a variety of components and may vary from year to year based on a number of factors. The principal components of compensation include a base salary, a discretionary bonus, participation in various benefits programs and one or more of the incentive compensation programs established by BlackRock such as its Long-Term Retention and Incentive Plan and Restricted Stock Program.

Base Compensation

Generally, portfolio managers receive base compensation based on their seniority and/or their position with the firm.

Discretionary Compensation

In addition to base compensation, portfolio managers may receive discretionary compensation, which can be a substantial portion of total compensation. Discretionary compensation can include a discretionary cash bonus as well as one or more of the following:

Long-Term Retention and Incentive Plan (LTIP)

The LTIP is a long-term incentive plan that seeks to reward certain key employees. The plan provides for the grant of awards that are expressed as an amount of cash that, if properly vested and subject to the attainment of certain performance goals, will be settled in cash and/or in BlackRock, Inc. common stock.

Deferred Compensation Program

A portion of the compensation paid to each portfolio manager may be voluntarily deferred by the portfolio manager into an account that tracks the performance of certain of the firm's investment products. Each portfolio manager is permitted to allocate his deferred amounts among various options, including to certain of the firm's hedge funds and other unregistered products. In addition, prior to 2005, a portion of the annual compensation of certain senior managers was mandatorily deferred in a similar manner for a number of years. Beginning in 2005, a portion of the annual compensation of certain senior managers was paid in the form of BlackRock, Inc. restricted stock units which vest ratably over a number of years.

Options and Restricted Stock Awards

While incentive stock options are not currently being awarded to BlackRock employees, BlackRock, Inc. previously granted stock options to key employees, including certain portfolio managers who may still hold unexercised or unvested options. BlackRock, Inc. also has a restricted stock award program designed to reward certain key employees as an incentive to contribute to the long-term success of BlackRock. These awards vest over a period of years.

Incentive Savings Plans

BlackRock, Inc. has created a variety of incentive savings plans in which BlackRock employees are eligible to participate, including a 401(k) plan, the BlackRock Retirement Savings Plan (RSP) and the BlackRock Employee Stock Purchase Plan (ESPP). The employer

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contribution components of the RSP include a company match equal to 50% of the first 6% of eligible pay contributed to the plan capped at \$4,000 per year, and a company retirement contribution equal to 3% of eligible compensation, plus an additional contribution of 2% for any year in which BlackRock has positive net operating income. The RSP offers a range of investment options, including registered investment companies managed by the firm. Company contributions follow the investment direction set by participants for their own contributions or absent, employee investment direction, are invested into a stable value fund. The ESPP allows for investment in BlackRock common stock at a 5% discount on the fair market value of the stock on the purchase date. Annual participation in the ESPP is limited to the purchase of 1,000 shares or a dollar value of \$25,000. Each portfolio manager is eligible to participate in these plans.

Annual incentive compensation for each portfolio manager is a function of several components: the performance of BlackRock, Inc., the performance of the portfolio manager's group within BlackRock, the investment performance, including risk-adjusted returns and income generation, of the firm's assets under management or supervision by that portfolio manager relative to predetermined benchmarks, and the individual's teamwork and contribution to the overall performance of these portfolios and BlackRock. Unlike many other firms, portfolio managers at BlackRock compete against benchmarks rather than each other. In most cases, including for the portfolio managers of the Registrant, these benchmarks are the same as the benchmark or benchmarks against which the investment performance, including risk-adjusted returns and income generation, of the Registrant or other accounts are measured. A group of BlackRock, Inc.'s officers determines which benchmarks against which to compare the performance of funds and other accounts managed by each portfolio manager.

The group of BlackRock, Inc.'s officers then makes a subjective determination with respect to the portfolio manager's compensation based on the performance of the funds and other accounts managed by each portfolio manager relative to the various benchmarks. This determination may take into consideration the fact that a benchmark may not perfectly correlate to the way the Registrant or other accounts are managed, even if it is the benchmark that is most appropriate for the Registrant or other account. For example, a benchmark's return may be based on the total return of the securities comprising the benchmark, but the Registrant or other account may be managed to maximize income and not total return. Senior portfolio managers who perform additional management functions within BlackRock may receive additional compensation for serving in these other capacities.

(a) (4) Beneficial Ownership of Securities. As of February 28, 2007, Mr. Booth beneficially owns stock issued by the Fund in the range of \$50,001-\$100,000. As of February 28, 2007, Mr. Williams does not beneficially own any stock issued by the Fund.

Item 9 - Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers - Not Applicable

Item 10 - Submission of Matters to a Vote of Security Holders - Not Applicable

Item 11 - Controls and Procedures

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- 11(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.
- 11(b) - As of September 29, 2006, with the conclusion of the combination of Merrill Lynch's asset management business with BlackRock, the registrant was migrated to BlackRock's trading and compliance monitoring systems, and various personnel changes occurred. In conjunction with these business improvements, there were no changes in the registrants internal control over financial reporting (as defined in Rule 30a-3(d) under Act (17 CFR 270.30a-3(d)) that occurred during the last fiscal half-year of the period covered by this report that has materially affected, or is reasonably likely to affect, the registrant's internal control over financial reporting.

Item 12 - Exhibits attached hereto

- 12(a) (1) - Code of Ethics - See Item 2
- 12(a) (2) - Certifications - Attached hereto
- 12(a) (3) - Not Applicable
- 12(b) - 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/ Robert C. Doll, Jr.

Robert C. Doll, Jr.,
Chief Executive Officer of
BlackRock Senior High Income Fund, Inc.

Date: April 23, 2007

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.,
Chief Executive Officer of
BlackRock Senior High Income Fund, Inc.

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Date: April 23, 2007

By: /s/ Donald C. Burke

Donald C. Burke,
Chief Financial Officer of
BlackRock Senior High Income Fund, Inc.

Date: April 23, 2007