

Apollo Senior Floating Rate Fund Inc.
Form N-Q
May 22, 2014

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

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

Investment Company Act file number 811-22481

Apollo Senior Floating Rate Fund Inc.
(Exact name of registrant as specified in charter)

9 West 57th Street

New York, New York 10019
(Address of principal executive offices) (Zip code)

Joseph Moroney, President

9 West 57th Street

New York, New York 10019
(Name and address of agent for service)

Registrant's telephone number, including area code: (212) 515-3200

Date of fiscal year end: December 31

Date of reporting period: March 31, 2014

Item 1. Schedule of Investments.

The Schedule(s) of Investments is attached herewith.

Apollo Senior Floating Rate Fund Inc.**Schedule of Investments****March 31, 2014 (unaudited)**

| | Principal Amount (\$) | Value (\$) |
|--|----------------------------------|-------------------|
| Senior Loans (a) - 134.7% | | |
| AEROSPACE & DEFENSE - 6.4% | | |
| Camp International Holding Co. 2013 First Lien Replacement Term Loan, 4.75%, 05/31/19 | 1,303,508 | 1,319,801 |
| 2013 Second Lien Replacement Term Loan, 8.25%, 11/29/19 | 1,000,000 | 1,021,875 |
| Deltek, Inc. First Lien Term Loan, 4.50%, 10/10/18 | 2,291,822 | 2,308,655 |
| Second Lien Term Loan, 10.00%, 10/10/19 | 1,091,000 | 1,114,637 |
| ILC Industries, LLC First Lien Term Loan, 8.00%, 07/11/18 | 4,478,709 | 4,484,307 |
| Photonis Technologies SAS Term Loan, 8.50%, 09/18/19 | 3,920,175 | 3,949,576 |
| SRA International, Inc. Term Loan, 6.50%, 07/20/18 | 3,785,551 | 3,804,498 |
| WP CPP Holdings, LLC First Lien Term Loan, 4.75%, 12/28/19 | 1,166,593 | 1,169,510 |
| | | 19,172,859 |
| AUTOMOTIVE - 1.4% | | |
| Accelerate Parent Corp. Term Loan B, 06/19/18 (b) | 660,000 | 664,950 |
| Fram Group Holdings Inc. (Prestone Holdings Inc.) Second Lien Term Loan, 10.50%, 01/29/18 | 2,000,000 | 1,890,000 |
| Metaldyne, LLC 4.25%, 12/18/18 | 1,526,488 | 1,536,410 |
| Transtar Holding Co. First Lien Term Loan, 5.75%, 10/09/18 | 189,126 | 188,299 |
| | | 4,279,659 |
| BANKING, FINANCE, INSURANCE AND REAL ESTATE - 16.2% | | |
| Alliant Holdings I, LLC Initial Term Loan, 4.25%, 12/20/19 | 1,394,360 | 1,404,232 |
| Amwins Group, LLC | | |

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| | | |
|---|-----------|-----------|
| First Lien New Term Loan, 5.00%, 09/06/19 Asurion, LLC | 1,733,687 | 1,748,319 |
| Incremental Tranche B-1 Term Loan, 5.00%, 05/24/19 | 4,469,993 | 4,487,336 |
| Second Lien Term Loan, 8.50%, 03/03/21 EZE Software Group, LLC | 1,810,000 | 1,874,481 |
| First Lien Initial Term Loan, 4.50%, 04/06/20 | 669,938 | 673,709 |
| Second Lien Initial Term Loan, 8.50%, 04/05/21 Hamilton Lane Advisors, LLC | 500,000 | 507,918 |
| Term Loan, 5.25%, 02/28/18 Hub International Ltd. | 787,500 | 791,438 |
| Term Loan B, 4.75%, 10/02/20 | 4,776,000 | 4,790,447 |

**Principal
Amount (\$)**

Value (\$)

BANKING, FINANCE, INSURANCE AND REAL ESTATE (continued)

| | | |
|--|-----------|------------|
| Hyperion Finance S.a.r.l (United Kingdom) Term Loan, 5.75%, 10/17/19 (c) | 5,386,500 | 5,426,899 |
| KCG Holdings, Inc. (Knight Capital) Term Loan B, 5.75%, 12/05/17 | 68,879 | 69,137 |
| Medical Card System, Inc. Term Loan, 11.62%, 09/17/15 | 4,858,321 | 4,663,988 |
| MMM Holdings, Inc. MMM Term Loan, 9.75%, 12/12/17 | 771,634 | 777,421 |
| Moneygram International, Inc. Term Loan, 03/27/20 (b) | 508,333 | 510,240 |
| MSO of Puerto Rico, Inc. MSO Term Loan, 9.75%, 12/12/17 | 561,003 | 565,211 |
| National Financial Partners Corp. Term Loan B, 5.25%, 07/01/20 | 5,151,140 | 5,191,396 |
| SG Acquisition, Inc. First Lien Initial Term Loan, 7.25%, 12/21/18 (d) | 2,614,352 | 2,619,254 |
| USI, Inc. Initial Term Loan, 4.25%, 12/27/19 | 4,314,551 | 4,338,842 |
| VFH Parent, LLC Term Loan, 5.75%, 11/08/19 | 3,727,278 | 3,773,869 |
| Walter Investment Management Corp. (Bermuda) Tranche B Term Loan, 4.75%, 12/18/20 | 4,158,771 | 4,141,616 |
| | | 48,355,753 |

BEVERAGE, FOOD & TOBACCO - 3.4%

| | | |
|--|-----------|-----------|
| AdvancePierre Foods, Inc. First Lien Term Loan, 5.75%, 07/10/17 | 703,914 | 708,134 |
| ARG IH Corp. Term Loan, 5.00%, 11/15/20 | 1,915,200 | 1,930,464 |
| Arysta LifeScience SPC, LLC First Lien Initial Term Loan, 4.50%, 05/29/20 | 1,197,947 | 1,202,194 |
| Second Lien Term Loan, 8.25%, 11/30/20 Dole Food Co., Inc. | 1,028,000 | 1,047,275 |

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| | | |
|--|-----------|------------|
| Tranche B Term Loan, 4.50%, 11/01/18 Performance Food Group, Inc. | 2,347,450 | 2,361,488 |
| Initial Term Loan, 6.25%, 11/14/19 PFS Holding Corp. | 1,041,616 | 1,058,975 |
| First Lien Term Loan, 4.50%, 01/31/21 | 1,859,000 | 1,868,295 |
| | | 10,176,825 |

CAPITAL EQUIPMENT - 1.6%

| | | |
|---|-----------|-----------|
| Air Distribution Technologies, Inc. Second Lien Initial Term Loan, 9.25%, 05/11/20 (d) | 1,600,000 | 1,626,000 |
|---|-----------|-----------|

See accompanying Notes to Schedule of Investments. 1

Apollo Senior Floating Rate Fund Inc.**Schedule of Investments (continued)****March 31, 2014 (unaudited)**

| | Principal Amount (\$) | Value (\$) |
|--|----------------------------------|-------------------|
| Senior Loans (a) (continued) | | |
| CAPITAL EQUIPMENT (continued) | | |
| Tank Holding Corp. (Roto Acquisition Corp.) Term Loan 1, 4.25%, 07/09/19 | 3,223,720 | 3,233,794 |
| | | 4,859,794 |
| CHEMICALS, PLASTICS & RUBBER - 3.7% | | |
| AI Chem & Cy S.C.A. (Luxembourg) Tranche B-1 Term Loan, 4.50%, 10/04/19 (c) | 428,012 | 430,688 |
| Tranche B-2 Term Loan, 4.50%, 10/04/19 (c) | 222,075 | 223,463 |
| Arizona Chemicals Holdings Corp. Term Loan, 5.25%, 12/22/17 | 846,714 | 855,532 |
| Axalta Coating Systems Dutch Holding B.B.V. (Axalta Coating Systems U.S. Holdings, Inc.) Refinanced Term Loan B, 4.00%, 02/01/20 | 1,037,490 | 1,039,726 |
| Cyanco Intermediate Corp. Term Loan, 5.50%, 05/01/20 | 3,617,844 | 3,658,545 |
| Kronos Worldwide, Inc. Initial Term Loan, 4.75%, 02/18/20 | 630,000 | 635,774 |
| OCI Beaumont, LLC Term Loan B-2, 6.25%, 08/20/19 (d) | 1,639,812 | 1,660,309 |
| Tronox Pigments B.V. (Netherlands) New Term Loan, 4.50%, 03/19/20 (c) | 738,420 | 743,777 |
| Univar, Inc. Term Loan B, 5.00%, 06/30/17 | 1,868,245 | 1,865,779 |
| | | 11,113,593 |
| CONSUMER GOODS: DURABLE - 1.5% | | |
| Bluestem Brands, Inc. Term Loan, 7.50%, 12/06/18 | 1,107,429 | 1,119,876 |
| Britax US Holdings Inc. First Lien Term Loan B, 4.50%, 10/15/20 | 583,133 | 558,350 |

| | | |
|------------------------------|-----------|-----------|
| FGI Operating Co., LLC | | |
| Term Loan B, 5.50%, 04/19/19 | 2,809,360 | 2,856,768 |
| | | 4,534,994 |

CONSUMER GOODS: NON-DURABLE - 5.9%

| | | |
|--|-----------|-----------|
| 5.11 Tactical | | |
| Term Loan B, 6.00%, 02/28/20 (d) | 1,406,250 | 1,416,797 |
| Allflex Holdings III, Inc. | | |
| Second Lien Initial Term Loan, 8.00%, 07/19/21 | 2,400,000 | 2,439,000 |
| Fender Musical Instruments Corp. | | |
| Initial Term Loan, 5.75%, 04/03/19 | 446,250 | 449,597 |
| Herff Jones, Inc. | | |
| Term Loan B, 5.50%, 06/25/19 | 3,669,821 | 3,706,519 |
| Insight Pharmaceuticals, LLC | | |
| First Lien Term Loan, 6.25%, 08/25/16 | 3,219,279 | 3,225,316 |

| | |
|----------------------------------|-------------------|
| Principal Amount (\$) | Value (\$) |
|----------------------------------|-------------------|

CONSUMER GOODS: NON-DURABLE (continued)

| | | |
|------------------------------|-----------|------------|
| Nine West Holding Corp. | | |
| Term Loan B, 09/05/19 (b) | 1,320,000 | 1,328,250 |
| Polyconcept Investments B.V. | | |
| Term Loan, 6.00%, 06/28/19 | 2,514,942 | 2,514,942 |
| Topps Company, Inc. | | |
| Term Loan, 7.25%, 10/02/18 | 2,523,675 | 2,533,139 |
| | | 17,613,560 |

CONTAINERS, PACKAGING AND GLASS - 3.2%

| | | |
|--|-----------|-----------|
| Ardagh Holdings USA Inc. | | |
| First Lien Term Loan B, 12/17/19 (b) | 1,600,000 | 1,603,000 |
| Berlin Packaging, LLC | | |
| Term Loan B, 4.75%, 04/02/19 | 497,500 | 501,647 |
| Pelican Products, Inc. | | |
| First Lien Repriced Term Loan, 7.25%, 07/11/18 | 4,758,505 | 4,794,194 |
| Reynolds Group Holdings Inc. | | |
| Incremental U.S. Term Loan, 4.00%, 12/01/18 | 2,606,551 | 2,618,202 |
| | | 9,517,043 |

ENERGY: OIL & GAS - 7.4%

| | | |
|--------------------------------|-----------|-----------|
| Atlas Energy, L.P. | | |
| Term Loan, 6.50%, 07/31/19 (d) | 1,253,700 | 1,289,744 |
| Azure Midstream Energy, LLC | | |
| Term Loan, 6.50%, 11/15/18 | 887,385 | 897,368 |
| BBTS Borrower L.P. | | |

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|--|-----------|------------|
| Term Loan, 7.75%, 06/04/19 Bennu Oil & Gas, LLC | 3,727,851 | 3,770,964 |
| Term Loan, 10.25%, 11/01/18 Drillships Financing Holding, Inc. | 680,234 | 691,005 |
| Tranche B-1 Term Loan, 6.00%, 03/31/21 EMG Utica, LLC | 3,800,800 | 3,881,567 |
| Term Loan, 4.75%, 03/27/20 HGIM Corp. | 1,553,000 | 1,559,794 |
| Term Loan A, 5.00%, 06/18/18 (d) Pacific Drilling S.A. (Luxembourg) | 5,093,278 | 5,118,745 |
| Term Loan, 4.50%, 06/03/18 (c) Power Buyer, LLC | 1,272,385 | 1,279,224 |
| First Lien Delayed Draw Term Loan, 4.25%, 05/06/20 (e) | 49,055 | 48,932 |
| First Lien Initial Term Loan, 4.25%, 05/06/20 | 916,416 | 914,125 |
| Sprint Industrial Holdings, Inc. | | |
| First Lien Term Loan, 7.00%, 05/14/19 W3 Co. | 1,786,500 | 1,799,899 |
| First Lien Term Loan, 5.75%, 03/13/20 | 929,542 | 934,190 |
| | | 22,185,557 |

ENVIRONMENTAL INDUSTRIES - 1.2%

| | | |
|--|-----------|-----------|
| EnergySolutions, LLC (aka Envirocare of Utah, LLC) Term Loan, 6.75%, 08/15/16 | 2,518,237 | 2,529,771 |
|--|-----------|-----------|

2 See accompanying Notes to Schedule of Investments.

Apollo Senior Floating Rate Fund Inc.**Schedule of Investments (continued)****March 31, 2014 (unaudited)**

| | Principal Amount (\$) | Value (\$) |
|---|----------------------------------|-------------------|
| Senior Loans (a) (continued) | | |
| ENVIRONMENTAL INDUSTRIES (continued) | | |
| Tervita Corp. (Canada) Term Loan, 6.25%, 05/15/18 (c) | 1,092,916 | 1,085,812 |
| | | 3,615,583 |
| FOREST PRODUCTS & PAPER - 0.8% | | |
| Caraustar Industries, Inc. Term Loan, 7.50%, 05/01/19 | 2,333,604 | 2,377,370 |
| HEALTHCARE & PHARMACEUTICALS - 11.6% | | |
| ABB/Con-Cise Optical Group, LLC Term Loan B-1, 4.50%, 02/06/19 | 1,525,590 | 1,529,405 |
| Amneal Pharmaceuticals, LLC Term Loan B, 5.75%, 11/01/19 | 2,248,697 | 2,262,752 |
| Ardent Medical Services, Inc. First Lien Term Loan, 6.75%, 07/02/18 | 2,507,263 | 2,524,500 |
| ATI Holdings, Inc. Term Loan, 5.00%, 12/20/19 | 1,088,225 | 1,104,091 |
| CHS/Community Health Systems, Inc. Term Loan D, 4.25%, 01/27/21 | 2,204,475 | 2,225,880 |
| DJO Finance, LLC (ReAble Therapeutics Finance, LLC) Tranche B Term Loan, 4.75%, 09/15/17 | 671,500 | 675,593 |
| Healogics, Inc. First Lien Term Loan B, 5.25%, 02/05/19 | 1,025,640 | 1,035,896 |
| InVentiv Health, Inc. Consolidated Term Loan, 7.50%, 08/04/16 | 2,387,546 | 2,394,112 |
| Term Loan B-3, 7.75%, 05/15/18 | 685,221 | 684,364 |
| Medpace Intermediateco, Inc. Term Loan B, 6.25%, 06/19/17 (d) | 3,024,895 | 3,032,457 |
| Opal Acquisition, Inc. First Lien Term Loan, 5.00%, 11/27/20 | 4,099,725 | 4,120,224 |
| Premier Dental Services, Inc. First Lien Term Loan, 6.00%, 11/01/18 | 1,778,942 | 1,787,836 |

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|--|-----------|------------|
| Sheridan Holdings, Inc. | | |
| First Lien Delayed Draw Term Loan, 4.50%, 06/29/18 | 326,601 | 328,880 |
| Term Loan B, 4.50%, 06/29/18 | 1,996,082 | 2,010,015 |
| Smile Brands Group, Inc. | | |
| Term Loan, 7.50%, 08/16/19 | 3,980,000 | 3,998,905 |
| Steward Health Care System, LLC | | |
| Term Loan, 6.75%, 04/10/20 (d) | 1,516,540 | 1,524,123 |
| U.S. Renal Care, Inc. | | |
| Second Lien Term Loan, 10.25%, 01/03/20 (d) | 818,000 | 836,405 |
| Term Loan B, 07/03/19 (b) | 2,643,592 | 2,644,702 |
| | | 34,720,140 |

**Principal
Amount (\$)**

Value (\$)

HIGH TECH INDUSTRIES - 7.0%

| | | |
|---|-----------|------------|
| Active Network, Inc. (The Lanyon, Inc.) | | |
| First Lien Term Loan, 5.50%, 11/13/20 | 2,440,883 | 2,471,406 |
| Flexera Software, LLC | | |
| Term Loan, 04/02/20 (b) | 1,040,000 | 1,034,800 |
| Freescale Semiconductor, Inc. | | |
| Tranche B5 Term Loan, 5.00%, 01/15/21 | 1,940,250 | 1,963,484 |
| Kronos, Inc. | | |
| First Lien Incremental Term Loan, 4.50%, 10/30/19 | 4,715,506 | 4,759,714 |
| Landesk Group, Inc. | | |
| First Lien New Term Loan, 5.00%, 02/25/20 | 3,427,142 | 3,438,915 |
| Second Lien Term Loan, 8.25%, 02/25/21 (d) | 563,000 | 569,334 |
| Vision Solutions, Inc. | | |
| First Lien Term Loan, 6.00%, 07/23/16 (d) | 3,859,340 | 3,888,285 |
| Wall Street Systems Delaware, Inc. | | |
| First Lien Term Loan, 5.75%, 10/25/19 | 1,290,663 | 1,295,502 |
| Second Lien Term Loan, 9.25%, 10/25/20 | 1,400,000 | 1,414,875 |
| | | 20,836,315 |

HOTEL, GAMING & LEISURE - 3.8%

| | | |
|---|-----------|-----------|
| Belmond Interfin Ltd. (Bermuda) | | |
| Dollar Term Loan, 03/19/21 (b) (c) | 1,440,000 | 1,446,595 |
| Centaur Acquisition, LLC | | |
| First Lien Term Loan, 5.25%, 02/20/19 | 530,756 | 533,577 |
| Second Lien Term Loan, 8.75%, 02/20/20 | 826,000 | 845,618 |
| Deluxe Entertainment Services Group, Inc. | | |
| Initial Term Loan, 6.50%, 02/28/20 | 2,194,000 | 2,204,970 |
| La Quinta | | |
| Term Loan B, 02/19/21 (b) | 1,750,000 | 1,753,832 |
| Mohegan Tribal Gaming Authority | | |
| Term Loan B, 5.50%, 11/19/19 | 1,102,437 | 1,127,677 |
| Peppermill Casinos, Inc. | | |

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|--|-----------|------------|
| Term Loan B, 7.25%, 11/09/18 (d) Planet Fitness | 1,975,000 | 2,029,312 |
| Term Loan B, 03/26/21 (b) | 1,340,000 | 1,343,350 |
| | | 11,284,931 |

MEDIA: ADVERTISING, PRINTING & PUBLISHING - 6.4%

| | | |
|---|-----------|-----------|
| F & W Media, Inc. Term Loan, 7.75%, 06/30/19 (d) | 4,216,968 | 4,174,798 |
| Information Resources, Inc. Term Loan, 4.75%, 09/30/20 | 2,908,980 | 2,928,383 |
| Merrill Communications, LLC Term Loan, 5.75%, 03/08/18 | 3,892,541 | 3,942,833 |

See accompanying Notes to Schedule of Investments. 3

Apollo Senior Floating Rate Fund Inc.**Schedule of Investments (continued)****March 31, 2014 (unaudited)**

| | Principal Amount (\$) | Value (\$) |
|---|----------------------------------|-------------------|
| Senior Loans (a) (continued) | | |
| MEDIA: ADVERTISING, PRINTING & PUBLISHING (continued) | | |
| Reader's Digest Association, Inc. Term Loan, 12.50%, 09/30/15 (d) | 3,004,805 | 2,929,685 |
| Springer SBM Two GMBH (Germany) Initial Term Loan B2, 5.00%, 08/14/20 (c) | 5,022,760 | 5,038,456 |
| | | 19,014,155 |
| MEDIA: BROADCASTING & SUBSCRIPTION - 10.8% | | |
| CCO Holdings, LLC Term Loan E, 3.00%, 07/01/20 | 5,984,925 | 5,941,534 |
| Granite Broadcasting Corp. First Lien Tranche B Term Loan, 6.75%, 05/23/18 | 2,486,411 | 2,508,180 |
| Hargray Communications Group, Inc. (HCP Acquisition, LLC) Term Loan B, 4.75%, 06/26/19 | 2,281,758 | 2,310,279 |
| Hemisphere Media Holdings, LLC (Intermedia Espanol, Inc.) Term Loan B, 6.25%, 07/30/20 (d) | 2,332,375 | 2,349,868 |
| Hubbard Radio, LLC Tranche 1 Term Loan, 4.50%, 04/29/19 | 653,016 | 656,689 |
| IMG Worldwide, Inc. First Lien Term Loan, 03/21/21 (b) | 5,050,000 | 5,027,932 |
| Learfield Communications, Inc. First Lien Initial Term Loan, 5.00%, 10/09/20 | 1,246,875 | 1,253,109 |
| SESAC Holdco II, LLC First Lien Term Loan, 5.00%, 02/07/19 (d) | 552,013 | 558,223 |
| Telecommunications Management, LLC First Lien Initial Term Loan, 04/30/20 (b) (d) | 1,021,441 | 1,024,954 |
| Second Lien Initial Term Loan, 10/30/20 (b) (d) | 710,475 | 719,355 |
| TWCC Holding Corp. Second Lien Term Loan, 7.00%, 06/26/20 | 1,093,457 | 1,067,487 |
| Univision Communications, Inc. Replacement First Lien Term Loan, 4.00%, 03/01/20 | 3,450,839 | 3,460,898 |
| WideOpenWest Finance, LLC Term Loan B, 4.75%, 04/01/19 | 5,183,848 | 5,199,244 |

32,077,752

MEDIA: DIVERSIFIED & PRODUCTION - 1.2%

| | | |
|-------------------------------------|-----------|-----------|
| Tech Finance & Co. S.C.A. (France) | | |
| U.S. Term Loan, 7.25%, 07/11/20 (c) | 3,606,525 | 3,668,900 |

| | Principal Amount (\$) | Value (\$) |
|--|--------------------------|------------|
|--|--------------------------|------------|

METALS & MINING - 0.9%

| | | |
|--|-----------|-----------|
| FMG Resources (August 2006) Pty. Ltd. (FMG America Finance, Inc.) (Australia) | | |
| Term Loan, 4.25%, 06/30/19 (c) | 696,500 | 702,762 |
| Oxbow Carbon, LLC (Oxbow Calcining, LLC) | | |
| Term Loan B, 8.00%, 01/19/20 | 2,000,000 | 2,050,000 |
| | | 2,752,762 |

RETAIL - 6.2%

| | | |
|--|-----------|------------|
| 99¢ Only Stores | | |
| Tranche B-2 Term Loan, 4.50%, 01/11/19 | 1,812,331 | 1,830,908 |
| Charming Charlie, LLC | | |
| Initial Term Loan, 9.00%, 12/24/19 | 4,348,903 | 4,357,057 |
| Evergreen Acqco 1 LP | | |
| New Term Loan, 5.00%, 07/09/19 | 3,841,477 | 3,875,090 |
| Gymboree Corp. | | |
| Term Loan 2011, 5.00%, 02/23/18 | 658,914 | 595,128 |
| HMK Intermediate Holdings, LLC | | |
| Term Loan, 5.00%, 03/30/19 (d) | 1,127,000 | 1,135,452 |
| Sears Roebuck Acceptance Corp. (Kmart Corp.) | | |
| Term Loan, 5.50%, 06/30/18 | 3,012,450 | 3,032,031 |
| Smart & Final, Inc. | | |
| First Lien Term Loan, 4.75%, 11/15/19 | 2,688,229 | 2,695,796 |
| Vince, LLC (Vince Intermediate Holding, LLC) | | |
| Term Loan B, 6.00%, 11/27/19 | 999,429 | 1,013,171 |
| | | 18,534,633 |

SERVICES: BUSINESS - 17.6%

| | | |
|---|-----------|-----------|
| Applied Systems, Inc. | | |
| First Lien Initial Term Loan, 4.25%, 01/25/21 | 2,024,925 | 2,035,475 |
| Aptean, Inc. | | |
| First Lien Term Loan, 5.25%, 02/26/20 | 3,523,000 | 3,545,019 |
| ARC Document Solutions, Inc. | | |
| Term Loan B, 6.25%, 12/20/18 | 2,427,750 | 2,464,166 |
| Brock Holdings III, Inc. | | |

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| | | |
|---|-----------|-----------|
| First Lien Term Loan, 6.00%, 03/16/17 | 1,603,825 | 1,615,100 |
| Second Lien Initial Term Loan, 10.00%, 03/16/18 | 3,000,000 | 3,046,875 |
| EIG Investors Corp. Term Loan, 5.00%, 11/09/19 | 3,314,416 | 3,345,489 |
| GCA Services Group, Inc. First Lien Replacement Term Loan, 4.27%, 11/01/19 | 925,352 | 928,244 |
| Second Lien Initial Term Loan, 9.25%, 11/01/20 | 834,400 | 849,524 |
| Global Cash Access, Inc. Term Loan, 4.00%, 03/01/16 | 1,428,571 | 1,437,493 |
| Infogroup, Inc. Term Loan B, 8.00%, 05/26/18 | 3,189,447 | 2,785,184 |

4 See accompanying Notes to Schedule of Investments.

Apollo Senior Floating Rate Fund Inc.**Schedule of Investments (continued)****March 31, 2014 (unaudited)**

| | Principal Amount (\$) | Value (\$) |
|---|----------------------------------|-------------------|
| Senior Loans (a) (continued) | | |
| SERVICES: BUSINESS (continued) | | |
| Lineage Logistics, LLC Term Loan, 4.50%, 04/26/19 | 3,527,345 | 3,531,754 |
| Mirror Bidco Corp. Term Loan B, 12/28/19 (b) | 1,016,173 | 1,019,983 |
| Nord Anglia Education Finance, LLC First Lien Term Loan, 03/31/21 (b) | 2,080,000 | 2,082,600 |
| Onex Carestream Finance L.P. First Lien 2013 Term Loan, 5.00%, 06/07/19 | 4,164,738 | 4,215,485 |
| Second Lien Term Loan, 9.50%, 12/07/19 | 1,000,000 | 1,024,170 |
| SGS Cayman, L.P. (Cayman Islands) Term Loan, 7.25%, 03/06/19 (c) (d) | 1,464,183 | 1,475,164 |
| SNL Financial LC Term Loan, 4.50%, 10/23/18 | 946,246 | 954,526 |
| Stadium Management (SMG) First Lien 2014 Term Loan, 4.50%, 02/27/20 (d) | 1,965,075 | 1,972,444 |
| Stafford Logistics, Inc. (dba Custom Ecology, Inc.) Term Loan, 6.75%, 06/26/19 (d) | 2,525,913 | 2,535,385 |
| Sutherland Global Services, Inc. U.S. Tranche Term Loan, 7.25%, 03/06/19 (d) | 3,242,117 | 3,266,433 |
| TransFirst Holdings, Inc. First Lien Term Loan B-1, 4.75%, 12/27/17 | 1,331,575 | 1,335,903 |
| Second Lien Term Loan, 06/27/18 (b) | 2,500,000 | 2,520,312 |
| TriNet HR Corp. Term Loan B2, 5.00%, 08/20/20 | 3,989,950 | 4,054,787 |
| Washington Inventory Service First Lien U.S. Term Loan, 5.75%, 12/20/18 (d) | 452,858 | 450,594 |
| | | 52,492,109 |
| SERVICES: CONSUMER - 1.8% | | |
| Laureate Education, Inc. New Series 2018 Extended Term Loan, 06/15/18 (b) | 5,255,924 | 5,214,875 |

TELECOMMUNICATIONS - 10.0%

| | | |
|---------------------------------------|-----------|-----------|
| Avaya Inc. | | |
| Term Loan B-3, 4.73%, 10/26/17 | 2,396,334 | 2,344,034 |
| Fibertech Networks, LLC | | |
| Term Loan, 4.00%, 12/18/19 | 4,256,485 | 4,264,488 |
| Global Tel*Link Corp. | | |
| First Lien Term Loan, 5.00%, 05/23/20 | 4,550,886 | 4,526,721 |
| Grande Communications Networks, LLC | | |
| Term Loan B, 4.50%, 05/29/20 (d) | 5,008,632 | 5,014,918 |

| | |
|----------------------------------|-------------------|
| Principal Amount (\$) | Value (\$) |
|----------------------------------|-------------------|

TELECOMMUNICATIONS (continued)

| | | |
|---|-----------|------------|
| Integra Telecom Holdings, Inc. | | |
| Replacement Term Loan, 5.25%, 02/22/19 | 1,065,240 | 1,072,659 |
| LTS Buyer, LLC (Sidera Networks, Inc.) | | |
| Second Lien Term Loan, 8.00%, 04/12/21 | 456,665 | 466,369 |
| Securus Technologies Holdings, Inc. | | |
| First Lien Initial Term Loan, 4.75%, 04/30/20 | 1,576,080 | 1,576,569 |
| Second Lien New Term Loan, 9.00%, 04/30/21 | 2,800,000 | 2,814,588 |
| U.S. TelePacific Corp. | | |
| Term Loan, 5.75%, 02/23/17 | 4,865,464 | 4,920,200 |
| Zayo Group, LLC (Zayo Capital, Inc.) | | |
| Term Loan, 4.00%, 07/02/19 | 2,877,933 | 2,884,049 |
| | | 29,884,595 |

TRANSPORTATION: CARGO - 1.2%

| | | |
|---|-----------|-----------|
| Carrix, Inc. | | |
| Term Loan, 01/07/19 (b) | 2,500,000 | 2,360,000 |
| Commercial Barge Line Co. | | |
| First Lien Initial Term Loan, 7.50%, 09/22/19 (d) | 1,123,650 | 1,127,864 |
| | | 3,487,864 |

TRANSPORTATION: CONSUMER - 2.5%

| | | |
|--|-----------|-----------|
| Landmark Aviation FBO Canada, Inc. (Canada) | | |
| Canadian Term Loan, 4.75%, 10/25/19 (c) | 188,092 | 189,188 |
| LM U.S. Member, LLC (LM U.S. Corp Acquisition, Inc.) | | |
| First Lien Initial Term Loan, 4.75%, 10/25/19 | 2,788,044 | 2,804,299 |
| Travel Leaders Group, LLC | | |
| Tranche B Term Loan, 7.00%, 12/05/18 | 1,206,161 | 1,197,114 |
| Travelport, LLC | | |
| New Term Loan B, 6.25%, 06/26/19 | 3,194,858 | 3,274,234 |
| | | 7,464,835 |

UTILITIES: ELECTRIC - 1.0%

| | | |
|--|-----------|--------------------|
| La Frontera Generation, LLC Term Loan, 4.50%, 09/30/20 | 1,590,293 | 1,594,515 |
| Panda Sherman Power, LLC Construction Term Loan Advances, 9.00%, 09/14/18 (d) | 1,200,000 | 1,236,000 |
| | | 2,830,515 |
| Total Senior Loans (Cost \$396,471,725) | | 402,066,971 |

See accompanying Notes to Schedule of Investments. 5

Apollo Senior Floating Rate Fund Inc.**Schedule of Investments (continued)****March 31, 2014 (unaudited)**

| | Principal Amount (\$) | Value (\$) |
|---|----------------------------------|-------------------|
| Corporate Notes and Bonds - 9.6% | | |
| BANKING, FINANCE, INSURANCE AND REAL ESTATE - 4.6% | | |
| First Data Corp. 12.63%, 01/15/21 | 10,000,000 | 11,950,000 |
| KCG Holdings, Inc. (Knight Capital) 8.25%, 06/15/18 (f) | 1,667,000 | 1,792,025 |
| | | 13,742,025 |
| ENVIRONMENTAL INDUSTRIES - 1.2% | | |
| Tervita Corp. (Canada) 8.00%, 11/15/18 (c) (f) | 899,000 | 912,485 |
| 9.75%, 11/01/19 (c) (f) | 2,604,000 | 2,538,900 |
| | | 3,451,385 |
| HEALTHCARE & PHARMACEUTICALS - 1.2% | | |
| Valeant Pharmaceuticals International, Inc. (Canada) 7.50%, 07/15/21 (c) (f) | 3,200,000 | 3,616,000 |
| MEDIA: BROADCASTING & SUBSCRIPTION - 1.3% | | |
| Columbus International, Inc. (Barbados) 03/30/21 (b) (c) (f) | 1,285,000 | 1,325,156 |
| Intelsat Jackson Holdings S.A. (Luxembourg) 5.50%, 08/01/23 (c) (f) | 1,000,000 | 983,750 |
| Radio One, Inc. 9.25%, 02/15/20 (f) | 1,484,000 | 1,580,460 |
| | | 3,889,366 |
| METALS & MINING - 0.1% | | |
| Murray Energy Corp. 8.63%, 06/15/21 (f) | 300,000 | 317,250 |

TELECOMMUNICATIONS - 1.2%Avanti Communications Group PLC (United Kingdom)
10.00%, 10/01/19 (c) (f)

3,333,000 3,566,310

Total Corporate Notes and Bonds
(Cost \$26,319,658)**28,582,336**

| | Share Amounts | Value (\$) |
|--|------------------|------------|
|--|------------------|------------|

Common Stock - 0.7%**MEDIA: ADVERTISING, PRINTING & PUBLISHING - 0.7%**Reader s Digest Association, Inc.
07/26/18 (d)

50,210 2,159,030

Total Common Stock
(Cost \$5,212,858)**2,159,030****Preferred Stock - 1.3%****BANKING, FINANCE, INSURANCE AND REAL ESTATE - 1.3%**Watford Holdings Ltd. (Bermuda)
8.50%,(c) (d)

160,000 3,920,000

Total Preferred Stock
(Cost \$3,920,000)**3,920,000****Warrants - 0.0%****BANKING, FINANCE, INSURANCE AND REAL ESTATE - 0.0%**Medical Card System, Inc.
07/26/18 (d)

54,913 8,237

Total Warrants
(Cost \$)**8,237****Total Investments-146.3%**

(Cost of \$431,924,241) (g)

436,736,574**Other Assets & Liabilities, Net-5.1%****15,212,510****Loan Outstanding-(41.1)%****(122,704,615)****Series A Preferred Shares-(10.3)%****(30,680,000)****Net Assets (Applicable to Common Shares)-100.0%****298,564,469**

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- (a) Senior Loans are senior, secured loans made to companies whose debt is rated below investment grade and investments with similar characteristics. Senior Loans typically hold a first lien priority and pay interest at rates that are determined periodically on the basis of a floating base lending rate plus a spread. Unless otherwise identified, all Senior Loans carry a variable rate of interest. These base lending rates are primarily the London Interbank Offered Rate (LIBOR) and secondarily the prime rate offered by one or more major U.S. banks and the certificate of deposit rate used by commercial lenders. The rates shown represent the weighted average rate at March 31, 2014. Senior Loans are generally not registered under the Securities Act of 1933 (the 1933 Act) and often contain certain restrictions on resale and cannot be sold publicly. Senior Loans often require prepayments from excess cash flow or permit the borrower to repay at its election. The degree to which borrowers repay, whether as a contractual requirement or at their election, cannot be predicted with accuracy. As a result, the actual maturity may be substantially less than the stated maturity shown.
- (b) All or a portion of this position has not settled. Full contract rates do not take effect until settlement date.
- (c) Foreign issuer traded in U.S. dollars.
- (d) Fair Value Level 3 security. All remaining securities are categorized as Level 2.
- (e) Senior Loan assets have additional unfunded loan commitments. As of March 31, 2014, the Fund had unfunded loan commitments, which could be extended at the option of the borrower, pursuant to the following loan agreements:

| Borrower | Unfunded Loan Commitment |
|------------------|---|
| Power Buyer, LLC | \$ 65,049 |

- (f) Securities exempt from registration pursuant to Rule 144A under the 1933 Act. These securities may only be resold in transactions exempt from registration to qualified institutional buyers. At March 31, 2014, these securities amounted to \$16,632,336, or 5.57% of net assets.

6 See accompanying Notes to Schedule of Investments.

Apollo Senior Floating Rate Fund Inc.

Schedule of Investments (continued)

March 31, 2014 (unaudited)

(g) Cost for U.S. federal income tax purposes differs from book basis primarily due to the deferral of losses from wash sales. Unrealized appreciation and depreciation on investments are as follows:

| | |
|-------------------------------|--------------|
| Gross unrealized appreciation | \$ 8,596,493 |
| Gross unrealized depreciation | (3,827,631) |
| Net unrealized appreciation | \$ 4,768,862 |

See accompanying Notes to Schedule of Investments. 7

Apollo Senior Floating Rate Fund Inc.

Notes to Schedule of Investments

As of March 31, 2014 (unaudited)

Security Valuation

Apollo Senior Floating Rate Fund Inc. (the Fund) values its investments primarily using the mean price provided by a nationally recognized third-party security pricing service or broker. Senior Loans, corporate notes and bonds, common stock, preferred stock and warrants are priced based on valuations provided by an approved independent third-party pricing service or broker, if available. If market or broker quotations are not available or a price is not available from an independent third-party pricing service or broker, or if the price provided by the independent third-party pricing service or broker is believed to be unreliable, the security will be fair valued pursuant to procedures adopted by the Fund's board of directors (the Board). In general, the fair value of a security is the amount that the Fund might reasonably expect to receive upon the sale of an asset or pay to transfer a liability in an orderly transaction between willing market participants at the reporting date. Fair value procedures can, but are not obligated to, take into account any factors deemed relevant, which may include, among others, (i) the nature and pricing history of the security, (ii) the liquidity or illiquidity of the market for the particular security, (iii) recent purchases or sales transactions for the particular security or similar securities, (iv) whether any dealer quotations for the security are available and considered reliable and (v) press releases and other information published about the issuer. In these cases, the Fund's net asset value (NAV) will reflect the affected portfolio securities' fair value as determined by the judgment of the Board or its designee instead of being determined by the market. Using a fair value pricing methodology to value securities may result in a value that is different from a security's most recent sale price and from the prices used by other investment companies to calculate their NAV. Determination of fair value is uncertain because it involves subjective judgments and estimates. There can be no assurance that the Fund's valuation of a security will not differ from the amount that it realizes upon the sale of such security.

Fair Value Measurements:

The Fund has performed an analysis of all existing investments to determine the significance and character of all inputs to their fair value determination. The levels of fair value inputs used to measure the Fund's investments are characterized into a fair value hierarchy. The three levels of the fair value hierarchy are described below:

Level 1 Quoted unadjusted prices for identical instruments in active markets to which the Fund has access at the date of measurement;

Level 2 Quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, but are valued based on executed trades, broker quotations that constitute an executable price, and alternative pricing sources supported by observable inputs which, in each case, are either directly or indirectly observable for the asset in connection with market data at the measurement date; and

Level 3 Model derived valuations in which one or more significant inputs or significant value drivers are unobservable. In certain cases, investments classified within Level 3 may include securities for which the Fund has obtained indicative quotes from broker-dealers that do not necessarily represent prices the broker may be willing to trade on, as such quotes can be subject to material management judgment. Unobservable inputs are those inputs that reflect the Fund's own assumptions that market participants would use to price the asset or liability based on the best available information.

At the end of each reporting period, management evaluates the Level 2 and Level 3 assets, if any, for changes in liquidity, including but not limited to: whether a broker is willing to execute at the quoted price, the depth and consistency of prices from third-party pricing services, and the existence of contemporaneous, observable trades in the market.

Apollo Senior Floating Rate Fund Inc.**Notes to Schedule of Investments (continued)****As of March 31, 2014 (unaudited)**

The valuation techniques used by the Fund to measure fair value at March 31, 2014 maximized the use of observable inputs and minimized the use of unobservable inputs. The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. Transfers in and out of the levels are recognized at the value at the end of the period. A summary of the Fund's investments categorized in the fair value hierarchy as of March 31, 2014 is as follows:

**Apollo Senior
Floating Rate Fund
Inc.**

| Assets in Fair Value Hierarchy: | Total Value | | | |
|---------------------------------|-----------------------|----------------------|---------------------------------------|---|
| | at March 31, 2014 | Level 1 Quoted Price | Level 2 Significant Observable Inputs | Level 3 Significant Unobservable Inputs |
| Cash and Cash Equivalents | \$ 21,709,341 | \$ 21,709,341 | \$ | \$ |
| Senior Loans | 402,066,971 | | 346,485,069 | 55,581,902 |
| Corporate Notes and Bonds | 28,582,336 | | 28,582,336 | |
| Common Stock | 2,159,030 | | | 2,159,030 |
| Preferred Stock | 3,920,000 | | | 3,920,000 |
| Warrants | 8,237 | | | 8,237 |
| Total Assets | \$ 458,445,915 | \$ 21,709,341 | \$ 375,067,405 | \$ 61,669,169 |

The Fund did not have any liabilities that were measured at fair value at March 31, 2014. The following is a reconciliation of Level 3 holdings for which significant unobservable inputs were used in determining fair value as of March 31, 2014.

**Apollo Senior
Floating Rate Fund
Inc.**

| Total Fair Value | Senior Loans | Corporate Notes | Common Stock | Preferred Stock | Warrants |
|------------------|--------------|-----------------|--------------|-----------------|----------|
|------------------|--------------|-----------------|--------------|-----------------|----------|

and Bonds

| | | | | | | |
|--|---------------|---------------|--------------|--------------|--------------|----------|
| Fair Value, beginning of period | \$ 75,544,153 | \$ 71,714,454 | \$ 1,762,852 | \$ 2,058,610 | \$ | \$ 8,237 |
| Purchases | 11,284,727 | 7,364,727 | | | 3,920,000 | |
| Sales | (12,539,595) | (12,539,595) | | | | |
| Accrued discounts/(premiums) | 49,251 | 49,251 | | | | |
| Total net realized gain/(loss) | 122,832 | 122,832 | | | | |
| Change in net unrealized appreciation/(depreciation) | 40,634 | (88,959) | 29,173 | 100,420 | | |
| Transfers into Level 3 | 14,627,951 | 14,627,951 | | | | |
| Transfers out of Level 3 | (27,460,784) | (25,668,759) | (1,792,025) | | | |
| Fair Value, end of period | \$ 61,669,169 | \$ 55,581,902 | \$ | \$ 2,159,030 | \$ 3,920,000 | \$ 8,237 |

Investments were transferred in and out of Level 3 and in and out of Level 2 during the period ended March 31, 2014 due to changes in the quantity and quality of information obtained to support the fair value of each investment as assessed by Apollo Credit Management, LLC, the Fund's investment adviser. Net change in unrealized appreciation attributable to Level 3 investments still held at March 31, 2014 was \$139,757.

Apollo Senior Floating Rate Fund Inc.**Notes to Schedule of Investments (continued)****As of March 31, 2014 (unaudited)**

The following table provides quantitative measures used to determine the fair values of the Level 3 investments as of March 31, 2014:

| Apollo Senior Floating Rate Fund Inc. | | | | | |
|---------------------------------------|----------------------------------|--|-------------------------------|----------|---------------------------------|
| Assets | Total Value at March 31, 2014 | Valuation Technique(s) | Unobservable Input(s) | Multiple | Weighted Average or Range |
| Senior Loans | \$ 55,581,902 | Third-party pricing service and / or broker quotes | Vendor and / or broker quotes | N/A | N/A |
| Common Stock | \$ 2,159,030 | Third-party pricing service and / or broker quotes | Vendor and / or broker quotes | N/A | N/A |
| Preferred Stock | \$ 3,920,000 | Cost ⁽¹⁾ | Recent transaction | N/A | N/A |
| Warrants | \$ 8,237 | Third-party pricing service and / or broker quotes | Vendor and / or broker quotes | N/A | N/A |

(1) The Fund values certain of its Level 3 investments using its fair valuation procedures. These investments are generally privately held securities. There may not be a secondary market for these securities, the issuer may be newly formed and/or there may be a limited number of investors seeking to purchase or sell these securities. Certain Level 3 securities may be valued at cost. The value of securities held at cost is reviewed periodically utilizing available market information to determine if the carrying value should be adjusted. Such market data may include, but is not limited to, observations of the trading multiples of public companies considered comparable to the private companies being valued, financial or operational information released by the company, and/or news or corporate events that may affect the investment. Valuations may be adjusted to account for company-specific issues, the lack of liquidity inherent in a nonpublic investment and / or the fact that comparable public companies are not identical to the investments being fair valued by the Fund.

For more information with regard to significant accounting policies, see the Fund's most recent annual report filed with the Securities and Exchange Commission.

Item 2. Controls and Procedures.

- (a) The Fund's principal executive and principal financial officers have concluded that the Fund's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act")) are effective, as of a date within 90 days of the filing date of this report, based on their evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rules 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934, as amended.

- (b) There were no changes in the Fund's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the Fund's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Fund's internal control over financial reporting.

Item 3. Exhibits.

Certifications pursuant to Rule 30a-2(a) under the 1940 Act are attached hereto.

SIGNATURES

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

(Registrant) Apollo Senior Floating Rate Fund Inc.

By (Signature and Title) /s/ Joseph Moroney

Joseph Moroney, President

(principal executive officer)

Date 05/22/14

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 (Signature and Title) /s/ Joseph Moroney

Joseph Moroney, President

(principal executive officer)

Date 05/22/14

By (Signature and Title) /s/ Frank Marra

Frank Marra, Treasurer and Chief Financial Officer

(principal financial officer)

Date 05/22/14